

January 2013

Cost, Schedule, Risk data date 12/28

Other Activities 1/31



MONTHLY PROGRESS REPORT

HART

HONOLULU AUTHORITY for RAPID TRANSPORTATION

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1 EXECUTIVE SUMMARY

1.1 Key Activities This Month

The third shipment of the rail arrived in Honolulu on January 31. The photos show the off-loading and stacking of the nearly 2600 tons of rail.



On January 24, the HART Board of Directors adopted Resolution Nos. 2013-2 and 2013-3, which approve notifying the Honolulu City Council (City Council) of HART's intent to acquire by eminent domain two parcels of land needed for the rail transit project. The decision to acquire the parcels through eminent domain is the result of several years of HART's good faith efforts to negotiate agreements with the property owners in compliance with 49 CFR Part 24, Federal Uniform Relocation Assistance and Real Property Acquisition for Federally-Assisted Programs, and Hawaii state law. Pursuant to Section 17-103.2(b) of the Revised Charter of the City and County of Honolulu, HART can proceed with the condemnation action so long as the City Council does not adopt a resolution objecting to the condemnation within 45 days from the January 25 notification date. Such final action would occur after public notice and an opportunity for public testimony.

1.2 Key Current Issues

Archaeological Inventory Survey (AIS) Completion

HART has implemented an expedited AIS schedule in the Airport and City Center sections. AIS Reports for Airport and City Center are being drafted at this time. A total of 260 trenches have been completed for City Center, including trenches at the originally identified locations and additional trenches to support preparation of the report. The AIS Reports will be submitted to the State Historic Preservation Division (SHPD) for review and approval. The AIS Reports for all four construction sections of the project will fulfill the project-wide reporting requirement.

Potential Burial Site Discovery

To date, discoveries of *iwi kupuna* (human skeletal remains) have occurred at seven separate locations. Treatments of these human remains have not been determined at this time. Coordination with SHPD and Oahu Island Burial Council (OIBC) as well as outreach to descendant families is underway. Pier and utility locations can be adjusted to allow the *iwi kupuna* to remain in place for any of the seven locations noted above, if necessary.

1.3 Project Scope Status Overview

There have been no project scope changes; the project scope continues to reflect the Final Environmental Impact Statement (FEIS). While the scope has not changed, the Contract Packaging Plan (CPP) is being modified with certain facility design and construction work re-packaging.

1.4 Project Schedule Status Overview

Despite the AIS delay, HART is implementing measures to maintain the March 30, 2019 full revenue service date (RSD), 10 months ahead of the January 31, 2020 FFGA target. This RSD is the milestone date reflected in the FFGA Master Project Schedule (MPS) and is consistent with all FFGA request submittals.

Due to the construction delay, the scheduled Interim Passenger Opening milestone will slip from June 2016 to June 2017. Several contract packages are being combined to maximize economies of scale and reduce interface needs between design and construction contractors to achieve both cost and schedule benefits. These updates are displayed in the latest Summary MPS on page 22 and Procurement Tracking Reports starting on page 27.

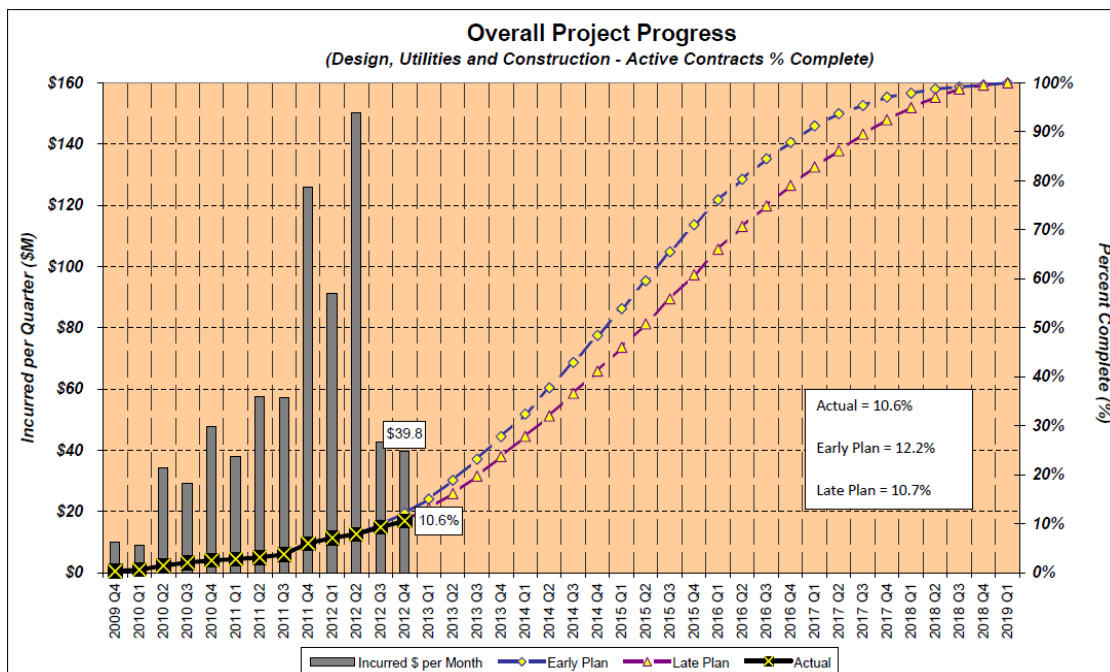
1.5 Project Progress Overview

Overall project, construction, design and utilities progress is presented below and on the following pages in terms of actual versus planned percent complete by quarter, in accordance with the FFGA MPS and Project Budget. Individual construction, design and utilities contract status is presented in Sections 3.2 through 3.5 of this report.

At present “overall” project progress is based on the weighted value progress of the individual construction and design contracts (Design-Build [DB], Design-Bid-Build [DBB], Design-Build-Operate-Maintain [DBOM], Elevator/Escalator Manufacture-Install-Test-Maintain [MIM], Final Design [FD] and DB-DBOM design levels of effort), not including City or non-design consultant labor. As of the January 2013 Monthly Progress Report, the Overall Project Progress will reflect all project elements as budgeted.

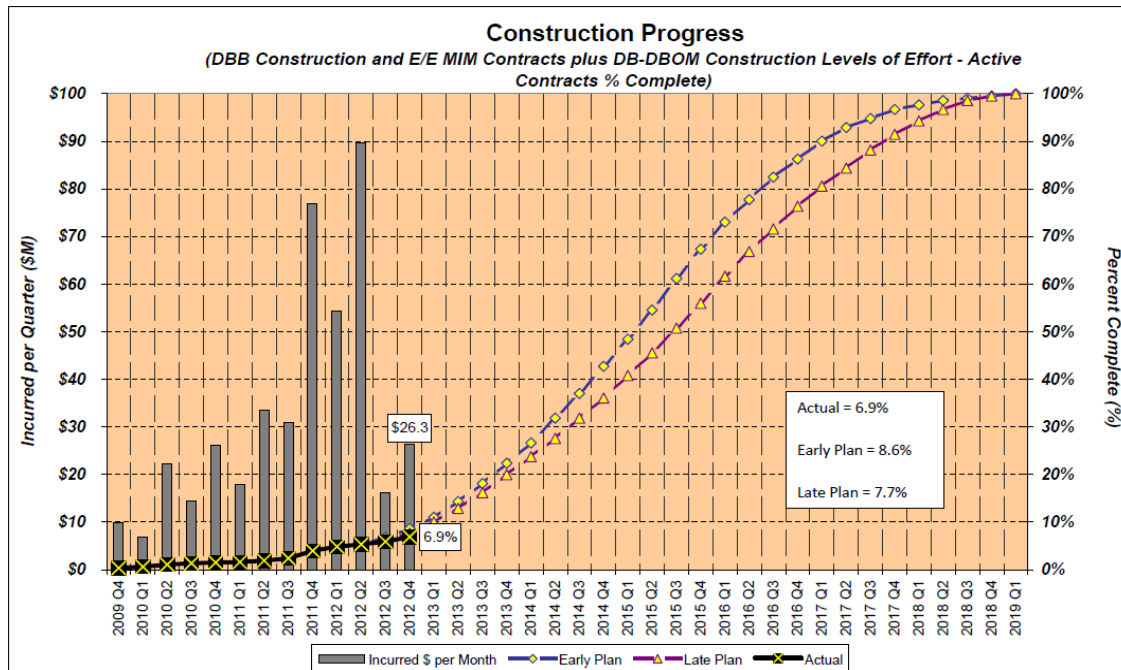
Utilizing the existing Project progress method through December 28, 2012, progress is 10.6%, versus the early plan of 12.2% and the late plan of 10.7%, as shown in Figure 1.

Figure 1. Overall Project Progress (% Complete)



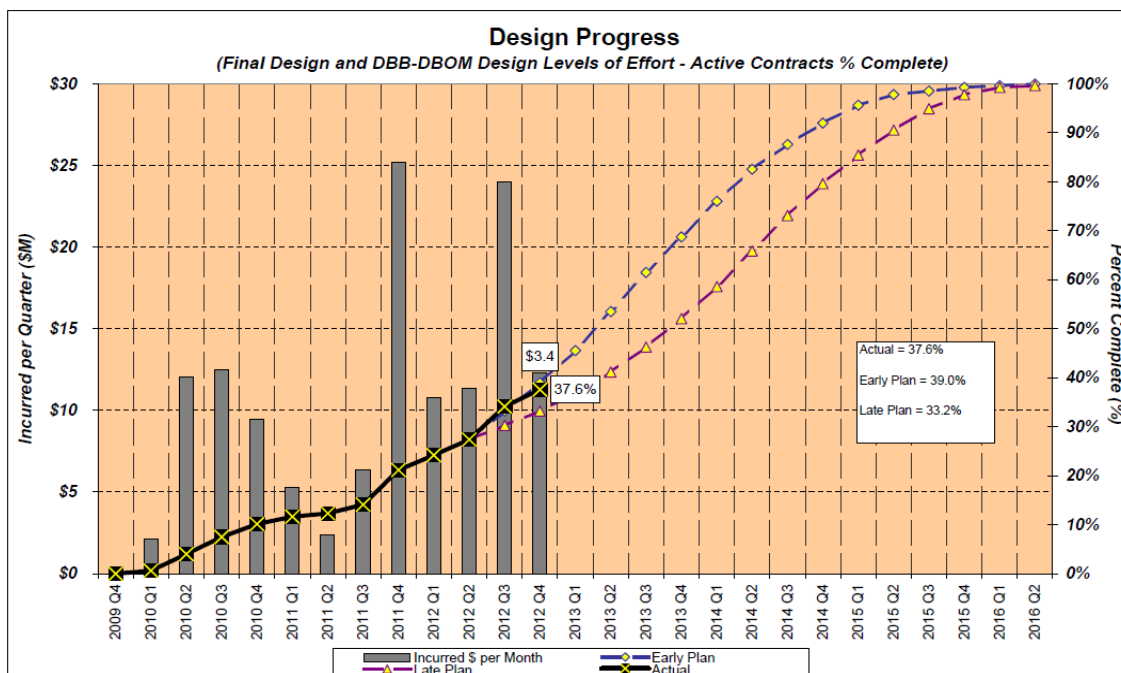
Overall construction progress as of December 28 is 6.9%, versus the early plan of 8.6% and the late plan of 7.7%, as shown in Figure 2 on the next page. Overall construction progress is based on the weighted average progress of the individual DBB and E/E MIM construction contracts and the DB-DBOM construction levels of effort, not including consultant construction engineering and inspection (CE&I) services.

Figure 2. Construction Progress (% Complete)



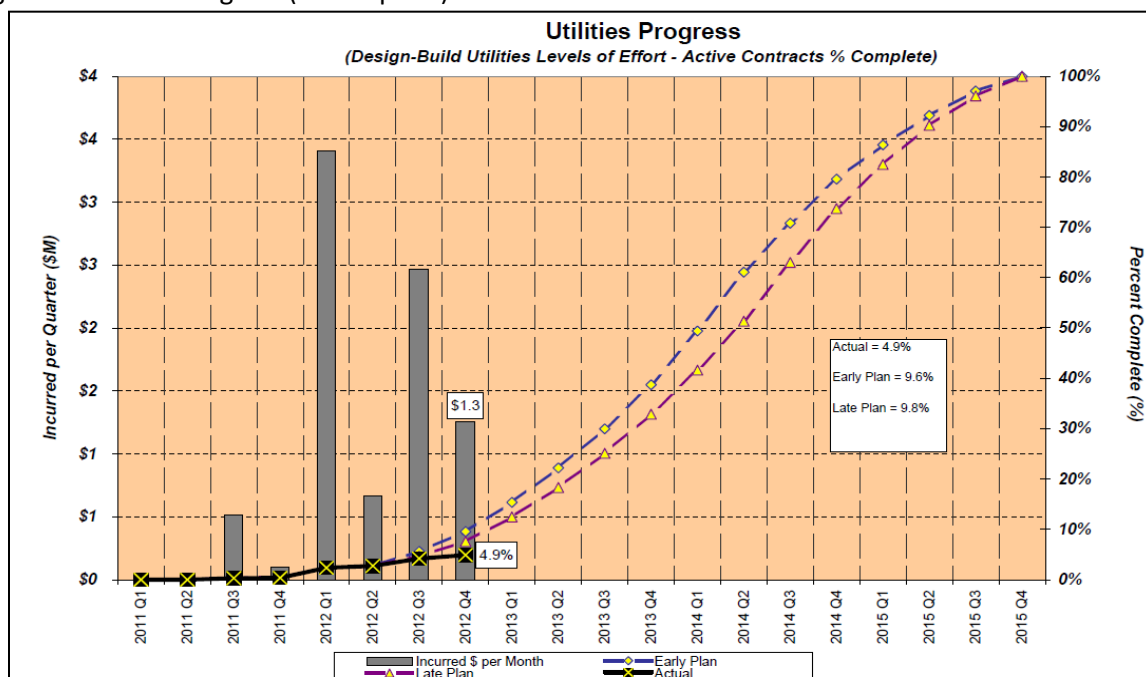
Overall design progress through December 2012 is 37.6%, versus the early plan of 39.0% and the late plan of 33.2%, as shown in Figure 3 below. Overall design progress is based on the weighted average progress of the individual FD contracts and the design levels of effort of the DB and DBOM construction contracts, not including City or non-design consultant labor.

Figure 3. Design Progress (% Complete)



Overall utilities progress through December 2012 is 4.9%, versus the early plan of 9.6% and the late plan of 9.8%, as shown in Figure 4 below. Overall utilities progress is based on the weighted average progress of the DB utilities levels of effort.

Figure 4. Utilities Progress (% Complete)



1.6 Financial Status Overview

1.6.1 Project Budget

The total incurred cost (actual expenditures plus approved requests for payment) as of December 28 was \$592.9M, or 14% of the FFGA Baseline Project Budget (excluding contingencies and finance charges) of \$4.249B.

The total committed amount as of December 28 was \$2.225B, or 52.4% of the FFGA Baseline Project Budget (including awarded design contract allowances of \$5.4M, but excluding uncommitted contingencies and finance charges).

The total amount Authorized for Expenditure (AFE) by way of Notices to Proceed (NTPs) was \$1.063B, or 25.0% of the FFGA Project Budget (excluding uncommitted contingencies and finance charges). During this reporting period, HART issued notices to proceed on 3 contracts for professional services. One Change Order and one Task Order were also issued during this reporting period. There is a net effect of a **(\$519,113)** as the result of the execution of five amendments or revised NTPs.

Notices to Proceed			
Contract		Scope	Amount (\$)
FD-140	West Oahu Station Group	NTP 2	2,203,221
FD-240	Farrington Hwy Station Group	NTP offset	(519,113)
FD-440	Airport Station Group	NTP 1B	2,602,508
Change Orders/Task Order			
DB-120	West Oahu/Farrington Hwy Guideway	Change Order 5	4,100,000
MM-940	Kako'o Consultant	Task Order #7	80,977

To date, 23 of the 42 planned design, construction and specialty consultant contracts have been awarded.

The Baseline Total Project Contingency Budget is \$644M. With the execution of one change on the West Oahu/Farrington Highway (WOFH) Design-Build contract (DB-120), the current Total Available Budget Contingency is now \$700.1M. Cost contingency details are presented in Section 2.1 of this report, along with a discussion of contingency management and the proposed Cost Contingency Drawdown Chart in Section 2.4.

1.6.2 Project Funding

The next increment of county General Excise Tax Surcharge will be received in January. HART staff is working on compiling documentation to support the first drawdown request under the FFGA. HART intends for all drawdowns to be on a reimbursement basis. See Section 2.2 for project funding details.

1.6.3 Full Funding Grant Agreement (FFGA) Status

The FFGA for the Project was executed on December 19. The execution of the FFGA makes \$255M in Section 5309 funds available to the Project as the first increment of New Starts funds.

1.7 HART Board of Directors Meetings and Events in January-February**HART Finance Committee Meeting**

Thursday, January 10, 2013, 8:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Project Oversight Committee Meeting

Thursday, January 10, 2013, 9:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Transit Oriented Development Committee Meeting

Thursday, January 24, 2013, 8:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Human Resources Committee Meeting

Thursday, January 24, 2013, 9:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Board of Directors Meeting

Thursday, January 24, 2013, 10:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Joint Finance and Project Oversight Committee Meeting

Thursday, February 7, 2013, 8:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Board of Directors Meeting

Thursday, February 21, 2013, 9:00 a.m., Kapolei Hale, Conference Room B, 1000 Uluohia St.

Open to the Public.

2 PROJECT BUDGET AND SCHEDULE

2.1 Project Budget

The FFGA Baseline Project Budget is \$5.122B, which includes \$644M in allocated and unallocated contingencies and \$173M in finance charges. Reported budget amounts relate to the FTA New Starts project and exclude \$42M in FTA-ineligible financing costs that will be incurred beyond FFGA completion.

The total committed amount as of December 28 was \$2.225B (including awarded design contract allowances of \$5.4M, but excluding uncommitted contingencies and finance charges), or 52.4% of the FFGA Baseline Project Budget (excluding uncommitted contingencies and finance charges).

In December, the project incurred \$22.4M in costs (actual expenditures plus approved requests for payment as of the cost data date of December 28). This brought the total incurred cost to date to \$592.9M, or 14% of the Project Budget (excluding contingencies and finance charges). The FFGA Financial Plan (*Honolulu Rail Transit Project Final Financial Plan for Full Funding Grant Agreement*, June 2012, Tables 2-4 and A-1) projected cumulative capital expenditures of \$1.3B through FY2013.

The total amount Authorized for Expenditure (AFE) by way of Notices to Proceed (NTPs) was \$1.063B, or 25.0% of the FFGA Project Budget (excluding uncommitted contingencies and finance charges).

To date, 23 of the 42 planned design, construction and specialty consultant contracts have been awarded. A re-packaging of the contracts has decreased the total number of planned design, construction and specialty consultant contracts from 49 per the baselined Contract Packaging Plan to 43. Additionally, by way of exercising a contract option for the HDOT Design Coordination Consultant, another contract was eliminated, reducing the number of contracts to 42. The Contract Packaging Plan will be updated to reflect the re-packaging.

The Baseline Total Project Contingency Budget is \$644M. With the execution of one change on the West Oahu/Farrington Highway (WOFH) Design-Build contract (DB-120), the current Total Available Budget Contingency is now \$700.1M, as shown in the detailed project cost report in Figure 10 starting on page 17. This is comprised of the following elements:

- 1) Allocated contract contingency of \$547.1M. This is contingency allocated to FTA Standard Cost Categories (SCC) for various pieces of work. (Including the executed change for WOFH)
- 2) Allowances for design contracts (\$5.4M). Allowances are committed contingency amounts.
- 3) Known Changes has a current balance of \$45.7M remaining. This contingency is for changes that were identified during development of the Project Budget, but remain subject to final negotiation and change order execution.
- 4) Unallocated Contingency (\$101.9M). This is a general contingency fund not allocated to specific work.

The FFGA Baseline Project Contingency Budget does not include known changes not yet negotiated or finalized at the time of the Bottom-Up Estimate (BUE). These known change amounts are budgeted in the BUE base contract values, but classified as contingency in order to process all changes using a consistent methodology for contingency tracking and management. Once a change order is executed, budget is transferred from contingency to the respective cost code. The detailed project cost report by SCC Level 2 presented in Figure 10 on page 17 includes this amount, bringing the Total Available Budgeted Contingency for all 4 contingency categories to \$700.1M.

HART's proposed cost contingency drawdown plan is under FTA review, as discussed in Section 2.4 and presented Figure 12 on page 24.

2.2 Project Revenue and Costs

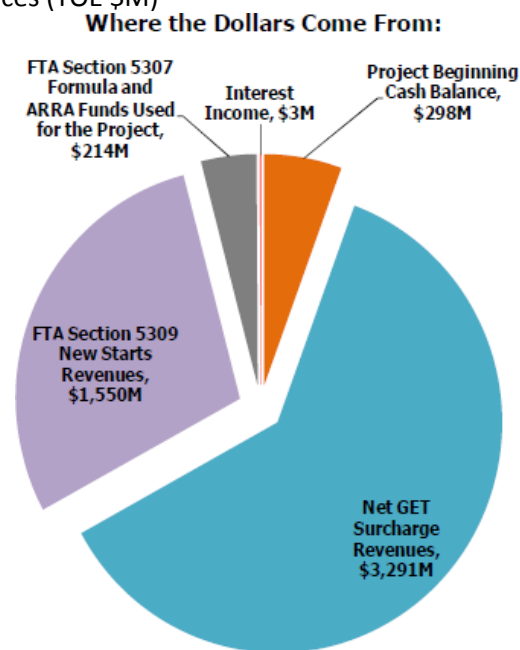
Total cash received to date since the start of Preliminary Engineering is \$920.4M.

The FFGA Financial Plan (Table A-1 *Capital Plan Cash Flows*) projects Net GET Surcharge Revenue of \$684M for FY2010-2013. To date, \$554M has been received. See Figure 5 on the next page for project funding and Figure 6 for planned versus received funding.

Project revenue is presented against costs incurred as of the November 30 cost data date in Figure 7 on page 12.

Project costs are detailed in Figure 8, Figure 9 and Figure 10 on pages 13 through 17. Cost reports are run from the HART Contract Management System (CMS). Figure 8 presents costs for each contract by HART CPP contract number. Figure 9 below and Figure 10 on page 17 present summarized and detailed project costs by FTA SCC.

Figure 5. Project Funding Sources (YOE \$M)



Source: FFGA Financial Plan, p. 2-1

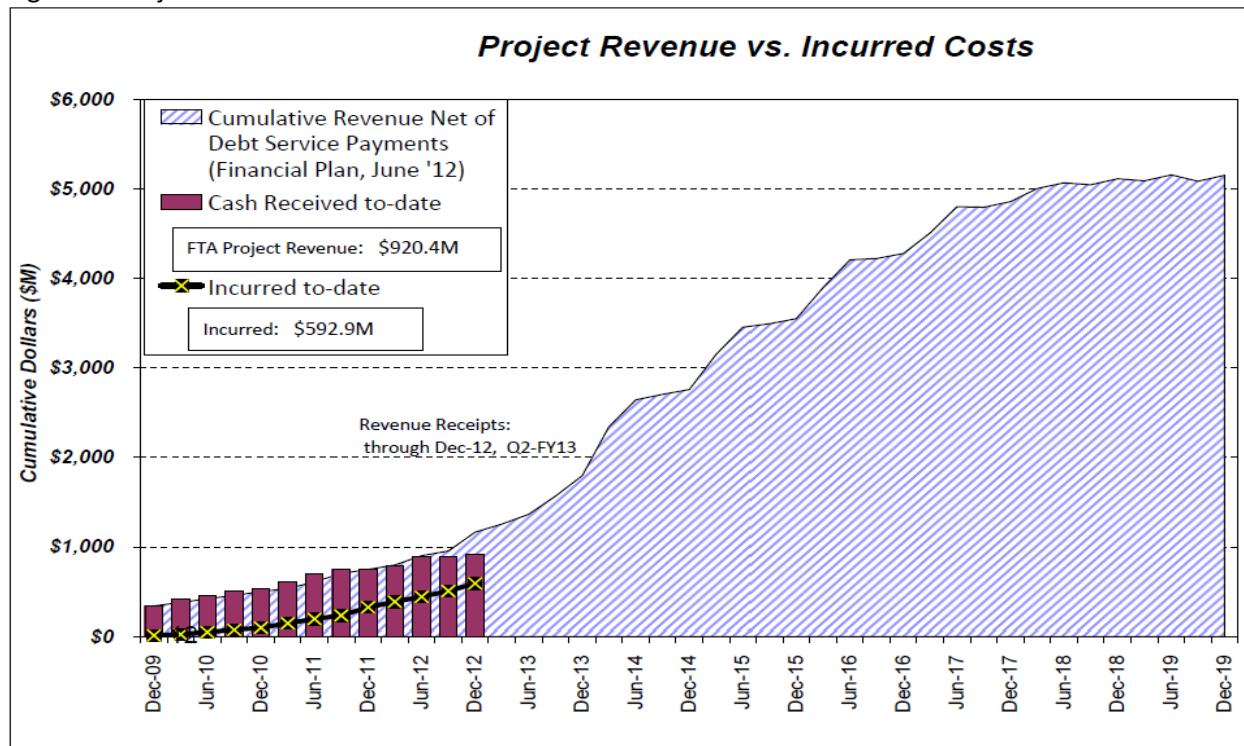
Figure 6. Planned vs. Received Project Funding

Funding Source	Planned ¹ (\$YOE M)	Received to Date (\$M)
FTA Section 5307 Formula Funds, including ARRA	214	4
Interest Income on Cash Balance	3	1
Beginning Project Cash Balance ²	298	298
FTA Section 5309 New Starts Revenue	1,550	64
Net General Excise Tax (GET) Surcharge revenues FY2010-FY2023	3,291	554
Total	5,356	921

¹ FFGA Financial Plan, Table A-1 *Capital Plan Cash Flows*.

² Beginning Project Cash Balance at Entry into Preliminary Engineering (PE) on October 16, 2009 (the FTA Project start date) = GET, investment and miscellaneous income minus pre-PE expenditures.

Figure 7. Project Revenue versus Incurred Costs



Planned Funding levels as per the Jun-12 FFGA Finance Plan;
data dates = 28-Dec-12 for Revenue & Incurred.

Figure 8. Project Costs by Contract

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HONOLULU AUTHORITY - RAPID TRANSPORTATION

Project Costs by Contract One Line Summary

Reporting Month: January 2013

Print Date: 1/11/13

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CPP No	Title	A	B	C=A+B		D	E	F	G	H=C+G		INCURRED
		Baseline	BUDGET	Transfers	Current	COMMITTED	AFE	ESTIMATE AT COMPLETION	Est. At Completion***	Variance	Incurred To Date	
ART	Project Wide ART	5,000,000	0	0	5,000,000	0	0	0	0	5,000,000	0	0
COH-100	Hart City and County of Honolulu	15,348,444	0	0	15,348,444	15,348,443	0	0	0	15,348,444	0	15,348,443
COH-101	HART/County Dept of BPS	1,107,273	0	0	1,107,273	105,092	0	0	0	1,107,273	0	0
COH-102	HART/County DDC Land Division	1,463,636	0	0	1,463,636	266,201	0	0	0	1,463,636	0	0
COH-107	HART/County Corporation Counsel (COR)	8,009,092	0	0	8,009,092	1,193,013	(700,000)	700,000	0	8,009,092	0	353,086
COH-108	Board of Water Supply (BWS)	928,182	0	0	928,182	0	0	0	0	928,182	0	0
DOB-120	West Oahu/Farlington Hwy Guideway	542,135,145	(24,683,854)	0	517,451,291	517,451,291	295,685,357	20,320,178	0	517,451,291	0	162,470,510
DOB-200	Maintenance & Storage Facility DB	222,954,906	(8,099,169)	0	214,855,737	214,855,737	147,896,471	4,215,981	0	214,855,737	0	38,142,099
DOB-320	Kaimanulua Hwy Guideway DB	371,929,117	220,863	0	372,150,000	372,150,000	162,166,081	0	0	372,150,000	0	82,491,730
DOB-170	West Oahu Stations Group Const.	48,745,033	0	0	48,745,033	0	0	0	0	48,745,033	0	0
DOB-270	Farlington Hwy Stations Group Const.	45,003,952	0	0	45,003,952	0	0	0	0	45,003,952	0	0
DOB-275	Pearl Highlands Pkg. St./BRTC Const.	155,591,280	0	0	155,591,280	0	0	0	0	155,591,280	0	0
DOB-370	Kaimanulua Hwy Stations Grp. Const.	68,615,238	0	0	68,615,238	0	0	0	0	68,615,238	0	0
DOB-470	Airport Station Group Const.	63,346,867	0	0	63,346,867	0	0	0	0	63,346,867	0	0
DOB-505	Airport Section Utilities Const.	24,627,701	0	0	24,627,701	0	0	0	0	24,627,701	0	0
DOB-510	City Center Section Utilities Const.	63,025,091	0	0	63,025,091	0	0	0	0	63,025,091	0	0
DOB-520	Airport City Center Guideway Const.	682,463,152	0	0	682,463,152	0	0	0	0	682,463,152	0	0
DOB-570	Dillingham Stations Group Const.	59,400,065	(4,100,000)	0	55,300,065	0	0	0	0	55,300,065	0	0
DOB-575	Kalaheo Stations Group Const.	73,702,023	0	0	73,702,023	0	0	0	0	73,702,023	0	0
DOB-600	UHWO Pk./Hoopii St./Finishes Const.	13,059,190	0	0	13,059,190	0	0	0	0	13,059,190	0	0
DOB/CM-9-20	Core Systems Design Build CM	579,648,466	(5,865,693)	0	573,782,793	573,782,793	97,918,391	55,644	0	573,782,793	0	24,734,191
FD-140	West Oahu Station Group Final Design	7,882,312	(1,803,200)	0	6,079,112	6,079,112	4,594,398	0	0	6,079,112	0	1,930,988
FD-240	Farlington Highway Stations Group FD	8,137,060	(187,458)	0	7,949,602	7,949,602	7,205,691	0	0	7,949,602	0	6,108,179
FD-245	Pearl Highlands Pkg. St./BRTC FD	17,916,058	0	0	17,916,058	0	0	0	0	17,916,058	0	0

* Current Committed = Original Contract + CCO/Amendment

** AFE = Authorized For Expenditure (Latest NTP Amounts or equal to current commitment Plus Executed Change Orders/Amendments)

*** Changes Identified= Pending + Probable + Potential Changes

**** Est. At Completion = Original Contract + CCO/Amendments + Changes Identified

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HONOLULU AUTHORITY INC. RAPID TRANSPORTATION

Project Costs by Contract One Line Summary

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 Reporting Month: January 2013

CPP No	Title	A		B		C=A+B		D	E		F		G		H=C-G	
		Baseline		Budget	Transfers	Current		Current*	AFE**	AFE**	Changes ID'd***	Est At Completion***	Variance	Incurred To Date		
FD-340	Kahehalehale Hwy Station Group FD	8,702,592	(20,2410)			8,500,182		8,499,582	491,104		0	8,500,182	0	0	0	0
FD-430	Airport Sect. Guideway/Utilities FD	39,307,062	(1,777,106)			37,527,946		37,527,946	31,341,791		0	37,527,946	0	0	15,253,055	0
FD-440	Airport Station Group FD	10,177,365	(227,784)			9,949,581		9,949,581	2,378,543		0	9,949,581	0	0	0	0
FD-530	City Center Guideway/Utilities FD	48,266,165	(5,917,945)			42,348,220		42,348,220	15,949,421		0	42,348,220	0	0	267,668	0
FD-540	Dillingham Stations (3), FD	10,615,487				10,615,487		0	0		0	10,615,487	0	0	0	0
FD-545	Kahehale Stations (3), Final Design	10,864,191				10,864,191		0	0		0	10,864,191	0	0	0	0
FD-600	UHWO Pkg-Hoopili Station Finishes FD	2,465,890				2,465,890		0	0		0	2,465,890	0	0	0	0
HRT-200	HART Labor	74,522,726				74,522,726		14,537,276	0		-4,400,000	74,522,726	0	0	14,637,276	0
HRT-201	HART OOC	48,473,636	(3,993,230)			44,478,406		591,304	0		0	44,478,406	0	0	591,304	0
MM-930	Elevators & Escalators Installation	54,721,186				54,721,186		0	0		0	54,721,186	0	0	0	0
MM-180	West Oahu/Fairington Stations CEB	14,276,861				14,276,861		0	0		0	14,276,861	0	0	0	0
MM-380	Kahehalehale Hwy Station Grp R2 CEB	7,178,933				7,178,933		0	0		0	7,178,933	0	0	0	0
MM-385	Pearl Highlands Garage and Ramp CEB	9,568,589				9,568,589		0	0		0	9,568,589	0	0	0	0
MM-485	Airport Station Group CEB	7,120,954				7,120,954		0	0		0	7,120,954	0	0	0	0
MM-500	Airport City Center Utilities CEB	10,097,731				10,097,731		0	0		0	10,097,731	0	0	0	0
MM-525	Airport City Center Guideway CEB	36,591,026				36,591,026		0	0		0	36,591,026	0	0	0	0
MM-595	Dillingham/Kahehale Station Grp CEB	10,254,773				10,254,773		0	0		0	10,254,773	0	0	0	0
MM-600	UHWO Pkg-Hoopili Station Finishes CEB	1,099,449				1,099,449		0	0		0	1,099,449	0	0	0	0
MM-900	Program Mgt Support Const (PMS-1)	20,000,000				20,000,000		36,727,162	20,700,000		-16,027,162	20,000,000	0	0	20,590,843	0
MM-901	Program Mgt Support Const (PMS-2)	31,304,349				31,304,349		33,376,897	11,240,790		-2,072,548	31,304,349	0	0	7,701,095	0
MM-905	MM-905 Gen Engrg Consult ESSPE	76,910,382	120,630			77,031,012		78,564,942	78,564,942		0	77,031,012	0	0	73,622,452	0
MM-910	MM-910 Gen Engrg Consult PD-Construct	310,828,630				310,828,630		150,000,000	150,000,000		0	310,828,630	0	0	81,495,002	0
MM-915	HDOT Traffic Mgmt. Consult	1,067,391				1,067,391		1,000,000	500,000		0	1,067,391	0	0	291,834	0
MM-920	HDOT Coordination Const WOPH	10,521,165				10,521,165		10,500,000	8,000,000		0	10,521,165	0	0	4,329,054	0

* Current Committed = Original Contract + CCO/Amendment

** AFE = Authorized For Expenditure (Latest NTP Amounts or equal to current commitment Plus Executed Change Orders/Amendments)

*** Changes Identified= Pending + Probable + Potential Changes

**** Est. At Completion = Original Contract + CCO/Amendments + Changes Identified

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HONOLULU AUTHORITY for RAPID TRANSPORTATION

Project Costs by Contract One Line Summary

Reporting Month: January 2013

Print Date: 1/11/13

Page: 3 of 4

CPP No	Title	A		B		C=A+B		D	E	F	G		H=C-G	I
		Baseline	Transfers	BUDGET	Current	COMMITTED	Current *		AFE		ESTIMATE AT COMPLETION	Est. At Completion***	Variance	Incurred To Date
MM-921	HDOT Coordination Const KHG	8,695,652	0	8,695,652	8,695,652	8,600,000	4,000,000	0	8,695,652	0	8,695,652	0	149,794	0
MM-922	HDOT Coord. Const. Airport	6,471,305	0	6,471,305	6,471,305	6,400,000	3,000,000	0	6,471,305	0	6,471,305	0	493,405	0
MM-923	HDOT Coordination Const City Center	4,314,762	0	4,314,762	4,314,762	0	0	0	4,314,762	0	4,314,762	0	0	0
MM-925	HDOT Labor - Highway Group	1,352,915	(583,368)	669,547	669,547	100,000	100,000	0	669,547	0	669,547	0	67,533	0
MM-926	HDOT Labor - Airport Group	0	100,000	100,000	100,000	0	0	0	100,000	0	100,000	0	0	0
MM-930	HDOT State SOA Manager & Consultant	1,272,174	583,368	1,855,542	1,855,542	0	0	0	1,855,542	0	1,855,542	0	0	0
MM-935	Real Estate Consultant	3,200,000	0	3,200,000	3,200,000	3,000,000	2,128,887	0	3,200,000	0	3,200,000	0	250,810	0
MM-940	Kakao Consultant	500,000	500,000	1,000,000	1,000,000	1,000,000	284,098	0	1,000,000	0	1,000,000	0	56,392	0
MM-945	On-Call Contractor	869,565	0	869,565	869,565	0	0	0	869,565	0	869,565	0	0	0
MM-946	On-Call Hazard Removal Contractor	2,608,695	0	2,608,695	3,000,000	1,000,000	-391,304	0	2,608,695	0	2,608,695	0	115,235	0
MM-950	OQIR Consultant	2,000,000	0	2,000,000	1,250,000	437,500	0	0	2,000,000	0	2,000,000	0	207,000	0
MM-951	Owner Controlled Insurance Program	8,333,334	0	8,333,334	0	0	0	0	8,333,334	0	8,333,334	0	0	0
MM-975	LEED Consulting Services for NSF	243,007	35,623	278,630	278,630	278,630	0	0	278,630	0	278,630	0	58,660	0
PA-101	Programmatic Agreement Humanities	610,000	(500,000)	110,000	0	0	0	0	110,000	0	110,000	0	0	0
PA-102	Programmatic Agreement HPC	2,000,000	0	2,000,000	0	0	0	0	2,000,000	0	2,000,000	0	0	0
PA-103	Programmatic Agreement HPC Park Imp	750,000	0	750,000	0	0	0	0	750,000	0	750,000	0	0	0
ROW	Real Estate / Right-of-Way	194,197,947	0	194,197,947	38,705,082	0	0	0	194,197,947	0	194,197,947	0	38,705,082	0
UTIL	Utilities by Utility Companies	132,689,208	0	132,689,208	24,976,313	3,139,000	-20,078,435	0	132,689,208	0	132,689,208	0	238,4557	0
10-80 SCC COSTS		4,305,074,410	(56,489,713)	4,248,584,697	2,220,199,219	1,046,791,095	(17,876,646)	0	4,248,584,697	0	4,248,584,697	0	592,857,276	0
Contract	Contingency	541,689,343	56,489,713	598,179,056	5,392,139	(614,249)	234,182,739	0	598,179,056	0	598,179,056	0	0	0
Unallo.	Project Contingency	101,871,170	0	101,871,170	0	0	0	0	101,871,170	0	101,871,170	0	0	0
Contingency		643,560,513	56,489,713	700,050,226	5,392,139	(614,249)	234,182,739	0	700,050,226	0	700,050,226	0	0	0

* Current Committed = Original Contract + CCO/Amendment

** AFE = Authorized For Expenditure (Latest NTP Amounts or equal to current commitment Plus Executed Change Orders/Amendments)

*** Changes Identified= Pending + Probable + Potential Changes

**** Est. At Completion = Original Contract + CCO/Amendments + Changes Identified

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HONOLULU AUTHORITY FOR RAPID TRANSPORTATION

Project Costs by Contract One Line Summary

Print Date: 1/11/13
Page: 4 of 4

Reporting Month: January 2013

CPP No.	Title	A		B		C=A+B		D	E		F	G		H=C+G		I
		BUDGET		COMMITTED		AFE		ESTIMATE AT COMPLETION		Variance		Incurred To Date				
		Baseline	Transfers	Current	Current *	AFE**	Changes ID'd***	Est At Completion***	Variance	Incurred To Date						
Other FTA Costs		173,059,243	0	173,059,243	0	0	0	0	0	0	0	0	0	0	0	0
FTA PROJECT COSTS		173,059,243	0	173,059,243	0	0	0	0	0	0	0	0	0	0	0	0
FTA TOTAL PROJECT COSTS		5,121,693,166	0	5,121,693,166	2,225,591,358	1,046,176,846	216,506,093	5,121,693,166	0	592,857,276	0	0	0	0	0	0
Finance Charges - Ineligible		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0	0	0	0	0	0	0
		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0	0	0	0	0	0	0
INELIGIBLE COSTS		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0	0	0	0	0	0	0
Total Project:		5,163,693,166	0	5,163,693,166	2,225,591,358	1,046,176,846	216,506,093	5,163,693,166	0	592,857,276	0	0	0	0	0	0

* Current Committed = Original Contract + CCO/Amendment


** AFE = Authorized For Expenditure (Latest NTP Amounts or equal to current commitment Plus Executed Change Orders/Amendments)

*** Changes Identified = Pending + Probable + Potential Changes

**** Est. At Completion = Original Contract + CCO/Amendments + Changes Identified

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Figure 9. Project Costs by SCC – Summary



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HONOLULU AUTHORITY - RAPID TRANSPORTATION

Project Costs by SCC - Level 1
Reporting Month: January 2013

Page: 1 of 1

SCC	Title	A		B		C=A+B		D	E	F	G	H=C-G		I
		Baseline	Budget	Transfers	Current	COMMITTED	AFE					AFE**	Changes ID'd***	
1. Subtotal 10 - 80 SCC Costs														
10	Guideway & Track Elements	1,114,215,147	20,075,757		1,134,290,904	520,495,487						0	1,134,290,904	0
20	Stations, Stops, Terminals, Intermodal	421,804,740	(4,100,000)		417,704,740	0						0	417,704,740	0
30	Support Facilities, Yards, Shops, A	92,535,015	9,414,376		101,949,391	101,949,391						0	101,949,391	0
40	Sitework & Special Conditions	963,178,121	(70,612,307)		912,565,734	488,703,735						4,029,439	912,565,734	0
50	Systems	221,284,301	(682,846)		220,601,453	205,441,240						0	220,601,453	0
60	ROW, Land, Existing Improvements	197,397,947	277,800		197,675,747	41,982,882						0	197,675,747	0
70	Vehicles	186,829,020	3,199,277		190,028,297	190,028,297						0	190,028,297	0
80	Professional Services	1,087,830,119	(14,061,688)		1,073,768,431	661,598,186						(21,706,085)	1,073,768,431	0
Subtotal:		4,305,074,410	(56,489,713)		4,248,584,697	2,220,199,219						(17,676,646)	4,248,584,697	0
2. AFE														
AFE	Authorized For Expenditure	0	0	0	0	0	0	0	0	0	0	0	0	495
Subtotal:		0	0	0	0	0	0	0	0	0	0	0	0	495
3. Contingency														
CNTR	Contingency	541,689,343	56,489,713		598,179,056	5,392,139						234,182,739	598,179,056	0
PRJ	Contingency	101,871,170	0		101,871,170	0						0	101,871,170	0
Subtotal:		643,560,513	56,489,713		700,050,226	5,392,139						234,182,739	700,050,226	0
4. Finance Charges - Eligible														
OTH	Finance Charges	173,058,243	0		173,058,243	0						0	173,058,243	0
Subtotal:		173,058,243	0		173,058,243	0						0	173,058,243	0
FTA TOTAL PROJECT COSTS 5,121,693,166														
		(0)			5,121,693,166	2,225,591,358						216,506,093	5,121,693,166	0
4. Finance Charges - Ineligible Costs														
FINC	Finance Charges	42,000,000	0		42,000,000	0						0	42,000,000	0
Subtotal:		42,000,000	0		42,000,000	0						0	42,000,000	0
INELIGIBLE COSTS														
		42,000,000	0		42,000,000	0						0	42,000,000	0
Total Project:														
		5,163,693,166	(0)		5,163,693,166	2,225,591,358						216,506,093	5,163,693,166	0

* Current Committed = Original Contract + CCO/Amendment

** AFE = Authorized For Expenditure (Latest NTP Amounts or equal to current commitment Plus Executed Change Orders/Amendments)

*** Changes Identified= Pending + Probable + Potential Changes

**** Est. At Completion = Original Contract + CCO/Amendments + Changes Identified

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Figure 10. Project Costs by SCC – Level 2

HART

HONOLULU AUTHORITY ~ RAPID TRANSPORTATION

Costs Reported as of Month Ending: January 2013

Project Monthly Cost Report SCC Level 2

Page: 1 of 3

SCC	Title	A		B		C=A+B		D		E		F		G		H=C-G		I
		Baseline	Transfers	BUDGET		Current	COMMITTED	Current*	AFE**	AFE**	Changes ID'd**	ESTIMATE AT COMPLETION***		Est. At Completion***	Variance	Incurred To Date		
1. Subtotal 10 - 80 SCC Costs																		
10	Guideway & Track Elements	1,114,215,147	20,075,757	1,134,290,904	520,495,487	1,134,290,904	434,840,724	741,273	0	0	0	1,134,290,904	0	1,134,290,904	0	17,412,662	0	0
10.04	Guideway, Aerial Structure	1,022,380,671	16,477,870	1,038,858,541	434,840,724	1,038,858,541	434,840,724	741,273	0	0	0	1,038,858,541	0	1,038,858,541	0	6,239,062	0	0
10.08	Guideway, Retained Cut or Fill	7,492,944	(1,096,588)	6,436,356	6,436,356	6,436,356	6,436,356	0	0	0	0	6,436,356	0	6,436,356	0	0	0	0
10.09	Track, Direct Fixation	79,347,205	3,480,624	82,827,829	75,020,633	82,827,829	75,020,633	10,013,653	0	0	0	82,827,829	0	82,827,829	0	11,173,600	0	0
10.11	Track, Ballasted	3,293,724	(595,849)	2,697,875	2,697,875	2,697,875	2,697,875	0	0	0	0	2,697,875	0	2,697,875	0	0	0	0
10.12	Track, Special (Switches, turnouts)	1,500,000	1,500,000	3,200,603	1,500,000	3,200,603	1,500,000	0	0	0	0	3,200,603	0	3,200,603	0	0	0	0
20	Stations, Stops, Terminals, Interiors	421,804,740	(4,100,000)	417,704,740	0	417,704,740	0	0	0	0	0	417,704,740	0	417,704,740	0	0	0	0
20.01	Air-grade station, stop, shelter, etc.	6,111,332	0	6,111,332	0	6,111,332	0	0	0	0	0	6,111,332	0	6,111,332	0	0	0	0
20.02	Aerial Station, stop, shelter, mail	294,563,457	(4,100,000)	290,463,457	0	290,463,457	0	0	0	0	0	290,463,457	0	290,463,457	0	0	0	0
20.06	Automobile parking multi-story str	66,408,765	0	66,408,765	0	66,408,765	0	0	0	0	0	66,408,765	0	66,408,765	0	0	0	0
20.07	Elevators, Escalators	54,721,186	0	54,721,186	0	54,721,186	0	0	0	0	0	54,721,186	0	54,721,186	0	0	0	0
30	Support Facilities, Yards, Shops, A	92,535,015	9,414,376	101,949,391	101,949,391	101,949,391	7,586,793	37,857,030	0	0	0	101,949,391	0	101,949,391	0	3,480,730	0	0
30.02	Light Maintenance Facility	7,591,888	(5,095)	7,586,793	7,586,793	7,586,793	7,586,793	0	0	0	0	7,586,793	0	7,586,793	0	0	0	0
30.03	Heavy Maintenance Facility	38,099,138	(242,106)	37,857,030	37,857,030	37,857,030	37,857,030	0	0	0	0	37,857,030	0	37,857,030	0	2,657,874	0	0
30.04	Storage or Maintenance of Way Bul	7,797,460	(81,550)	7,735,910	7,735,910	7,735,910	7,735,910	0	0	0	0	7,735,910	0	7,735,910	0	73,606	0	0
30.05	Yard and Yard Track	39,046,529	9,723,129	48,769,658	48,769,658	48,769,658	48,769,658	5,605,727	0	0	0	48,769,658	0	48,769,658	0	749,250	0	0
40	Sitework & Special Conditions	983,178,121	(70,612,387)	912,565,734	498,703,735	912,565,734	4,029,439	19,049,439	0	0	0	912,565,734	0	912,565,734	0	180,587,513	0	0
40.01	Demolition, Clearing, Earthwork	29,890,158	(2,308,147)	27,582,011	8,072,358	27,582,011	8,072,358	1,025,233	0	0	0	27,582,011	0	27,582,011	0	6,614	0	0
40.02	Site Utilities, Utility Relocation	299,449,756	2,940,542	302,390,398	96,246,174	302,390,398	96,246,174	4,312,957	(19,049,439)	0	0	302,390,398	0	302,390,398	0	6,965,887	0	0
40.03	Haz. mat'l. contain'd soil removal	8,199,237	(5,421,634)	3,777,603	3,016,085	3,777,603	3,016,085	916,104	(391,304)	0	0	3,777,603	0	3,777,603	0	131,320	0	0
40.04	Environmental Mitigation	26,579,122	4,976,801	31,955,923	16,543,497	31,955,923	16,543,497	902,708	0	0	0	31,955,923	0	31,955,923	0	3,856,633	0	0
40.05	Site structures, retaining walls	7,998,960	1,062,414	9,061,374	8,902,848	9,061,374	8,902,848	900,019	0	0	0	9,061,374	0	9,061,374	0	575,338	0	0
40.06	Pedestrianlike access/landscaping	41,073,897	7,99,143	41,873,040	5,049,834	41,873,040	5,049,834	953,419	0	0	0	41,873,040	0	41,873,040	0	507,888	0	0
40.07	Auto, bus, van accessways	181,979,367	(11,508,007)	170,471,360	35,558,916	170,471,360	35,558,916	1,690,419	0	0	0	170,471,360	0	170,471,360	0	507,888	0	0
40.08	Temporary Facilities/Indirect Cost	386,517,624	(91,153,599)	325,364,025	325,364,025	325,364,025	325,364,025	32,179,249	23,470,178	0	0	325,364,025	0	325,364,025	0	186,543,833	0	0
50	Systems	221,284,301	(682,846)	220,601,453	205,441,240	220,601,453	205,441,240	0	0	0	0	220,601,453	0	220,601,453	0	0	0	0
50.01	Train control and signals	81,982,556	4,200,090	82,402,646	82,402,646	82,402,646	82,402,646	0	0	0	0	82,402,646	0	82,402,646	0	0	0	0
50.02	Traffic signals and crossing prot.	10,458,228	(206,890)	10,251,338	0	10,251,338	0	0	0	0	0	10,251,338	0	10,251,338	0	0	0	0
50.03	Traction power supply: substation	29,500,926	1,526,385	31,027,311	31,027,311	31,027,311	31,027,311	59,020	0	0	0	31,027,311	0	31,027,311	0	0	0	0
50.04	Traction power distribution: cable	32,878,150	(2,881,277)	29,996,873	25,087,996	29,996,873	25,087,996	0	0	0	0	29,996,873	0	29,996,873	0	0	0	0
50.05	Communications	53,691,339	560,058	54,251,397	54,251,397	54,251,397	54,251,397	0	0	0	0	54,251,397	0	54,251,397	0	0	0	0

* Current Committed = Original Contract + CCO/Amendment

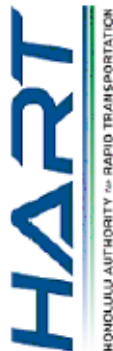
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Costs Reported as of Month Ending: January 2013
Project Monthly Cost Report SCC Level 2

Page: 2 of 3

SCC	Title	A		B		C=A+B		D	E	F	G		H=C-G	I
		Baseline	Budget	Transfers	Current	Current	Current*				Estimate At Completion	Variance		
1. Subtotal 10 - 80 SCC Costs														
50	Systems	221,284,301		(982,848)	220,601,453	205,441,240	0	220,601,453	0	0	220,601,453	0	0	0
50.06	Fare collection system and equipment	9,159,277		58,822	9,218,099	9,218,099	0	9,218,099	0	0	9,218,099	0	0	0
50.07	Central Control	3,613,827		(160,036)	3,453,791	3,453,791	0	3,453,791	0	0	3,453,791	0	0	0
60	ROW, Land, Existing Improvements	197,397,947		277,800	197,675,747	41,982,882	0	197,675,747	0	0	197,675,747	0	38,233,692	38,233,692
60.01	Purchase or lease of real estate	179,360,664		0	179,360,664	37,076,398	638,387	179,360,664	0	0	179,360,664	0	37,076,398	37,076,398
60.02	Relocation of existing households	18,037,283		277,800	18,315,083	4,906,484	916,187	18,315,083	0	0	18,315,083	0	2,157,294	2,157,294
70	Vehicles	186,829,020		3,199,277	190,028,297	190,028,297	0	190,028,297	0	0	190,028,297	0	212,900	212,900
70.01	Light Rail	166,721,386		4,400,967	171,122,353	171,122,353	0	171,122,353	0	0	171,122,353	0	0	0
70.06	Nonrevenue vehicles	14,346,923		(1,320,375)	13,026,548	13,026,548	0	13,026,548	0	0	13,026,548	0	212,900	212,900
70.07	Spare parts	5,760,711		118,685	5,879,396	5,879,396	0	5,879,396	0	0	5,879,396	0	0	0
80	Professional Services	1,087,830,119		(14,061,688)	1,073,768,431	661,598,186	(21,706,066)	1,073,768,431	0	0	1,073,768,431	0	333,929,294	333,929,294
80.01	Preliminary Engineering	94,055,262		23,910,371	117,965,633	110,198,902	20,405,318	117,965,633	0	0	117,965,633	0	104,049,579	104,049,579
80.02	Final Design	228,321,632		(39,207,962)	189,113,670	154,010,525	837,112	189,113,670	0	0	189,113,670	0	31,255,158	31,255,158
80.03	Project Management Design & Cont	363,848,768		(1,073,862)	362,775,906	264,164,906	62,493,796	362,775,906	(17,323,901)	0	362,775,906	0	164,378,015	164,378,015
80.04	Conts: Admin. & Management	199,656,728		523,200	200,179,928	35,039,900	717,721	200,179,928	0	0	200,179,928	0	25,601,568	25,601,568
80.05	Professional Liability & other ins	46,548,724		(3,996,230)	42,552,494	1,306,370	194,521	42,552,494	(4,400,000)	0	42,552,494	0	263,370	263,370
80.06	Legal: Permits, Review Fees ect.	67,641,005		0	67,641,005	29,241,886	(572,201)	67,641,005	700,000	0	67,641,005	0	6,194,474	6,194,474
80.07	Surveys, Testing, Investigation, I	21,759,336		6,974,388	28,733,724	19,728,629	194,521	28,733,724	(775,809)	0	28,733,724	0	1,361,035	1,361,035
80.08	Start up	65,996,664		(1,192,593)	64,804,071	47,907,069	194,521	64,804,071	0	0	64,804,071	0	826,085	826,085
NT	Authorized For Expenditure	0	0	0	0	0	0	0	0	0	0	0	495	495
NTP	Notice To Proceed	0	0	0	0	0	908,771,600	0	0	0	0	0	495	495
Subtotal:		4,305,074,410	(56,469,713)		4,248,584,697	2,220,199,219	1,046,791,095	4,248,584,697	(17,575,646)	0	4,248,584,697	0	592,857,276	592,857,276
2. Contingency														
CNTR	Contingency	541,689,343		56,489,713	598,179,056	5,392,139	234,182,739	598,179,056	0	0	598,179,056	0	0	0
90.02	Allocated Contract Contingency	540,101,329		7,034,273	547,135,602	0	0	547,135,602	195,066,489	0	547,135,602	0	0	0
90.03	Allowances	1,588,014		3,804,125	5,392,139	5,392,139	(614,249)	5,392,139	(67,798)	0	5,392,139	0	0	0
90.07	Known Change Contingency	0		45,651,315	45,651,315	0	0	45,651,315	39,184,048	0	45,651,315	0	0	0
PRJ	Contingency	101,871,170		0	101,871,170	0	0	101,871,170	0	0	101,871,170	0	0	0
90.01	Unallocated Project Contingency	101,871,170		0	101,871,170	0	0	101,871,170	0	0	101,871,170	0	0	0
Subtotal:		643,560,513	56,489,713		700,050,226	5,392,139	(614,249)	700,050,226	23,418,279	0	700,050,226	0	0	0
* Current Committed = Original Contract + CCO/Amendment														
** AFE = Authorized For Expenditure (Latest NTP Amounts or equal to current commitment Plus Executed Change Orders/Amendments)														
*** Changes Identified= Pending + Probable + Potential Changes														
**** Est. At Completion = Original Contract + CCO/Amendments + Changes Identified														
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Costs Reported as of Month Ending: January 2013

Project Monthly Cost Report SCC Level 2

Page: 3 of 3

SCC	Title	A		B		C=A+B		D		E		F		G		H=C-G		I	
		BUDGET		Transfers		Current		COMMITTED		AFE		Changes ID'd**		Est. At Completion***		Variance		INCURRED	
		Baseline						Current*		AFE**			Est. At Completion***		Variance		Incurred To Date		
3. Finance Charges - Eligible																			
OTH	Finance Charges	173,058,243	0	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0	0	0	0	0	0	0	0
100.1	Finance Charges-Project-Eligible	173,058,243	0	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0	0	0	0	0	0	0	0
	Subtotal:	173,058,243	0	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0	0	0	0	0	0	0	0
FTA TOTAL PROJECT COSTS		5,121,693,166	0	5,121,693,166	2,225,591,358	1,046,176,846	216,506,093	5,121,693,166	0	592,857,276									
4. Finance Charges -Ineligible Costs																			
FINC	Finance Charges	42,000,000	0	42,000,000	0	42,000,000	0	42,000,000	0	0	0	0	42,000,000	0	0	0	0	0	0
100.2	FTA Non-Eligible Costs	42,000,000	0	42,000,000	0	42,000,000	0	42,000,000	0	0	0	0	42,000,000	0	0	0	0	0	0
	Subtotal:	42,000,000	0	42,000,000	0	42,000,000	0	42,000,000	0	0	0	0	42,000,000	0	0	0	0	0	0
INELIGIBLE COSTS		42,000,000	0	42,000,000	0	42,000,000	0	42,000,000	0	0	0	0	42,000,000	0	0	0	0	0	0
Total Project:		5,163,693,166	0	5,163,693,166	2,225,591,358	1,046,176,846	216,506,093	5,163,693,166	0	592,857,276									

* Current Committed = Original Contract + CCO/Amendment

** AFE = Authorized For Expenditure (Latest NTP Amounts or equal to current commitment Plus Executed Change Orders/Amendments)

*** Changes Identified= Pending + Probable + Potential Changes

*** Est. At Completion = Original Contract + CCO/Amendments + Changes Identified

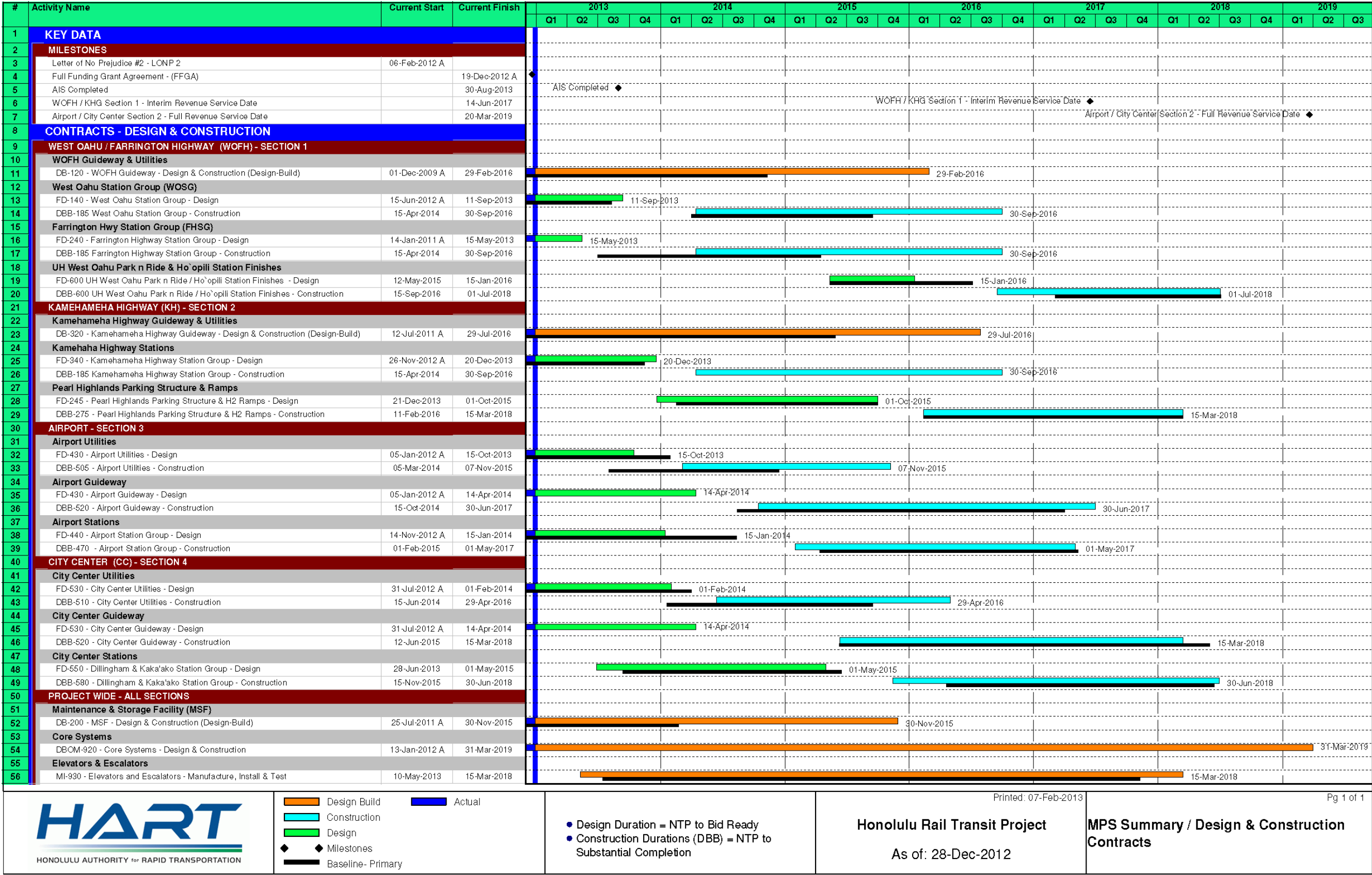
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2.3 Project Schedule

The H RTP Master Project Schedule (MPS) has been updated as of December 28, 2012 as shown in the Master Project Schedule Summary (MPSS) in Figure 11 starting on the next page. This was statused against the FFGA Baseline MPS. The baseline and actual/planned durations of each contract are displayed for comparison.

Figure 11. H RTP Master Project Schedule Summary (MPSS)



2.4 Contingency Management

The Risk and Contingency Management Plan (RCMP) has been revised for the FFGA and is in final states of review and completion. It is consistent with the FFGA submittals, including the CPP, MPS, Project Budget and Financial Plan. As part of the final review, the cost and schedule contingency drawdown curves were updated. These curves establish minimum and buffer zone levels of cost and schedule contingency in accordance with FTA recommendations. Over the course of the project, if the cost or schedule contingency trend into the buffer zone (the area above the minimum contingency), Project Management will immediately implement actions to maintain the level of contingency appropriate for the project stage.

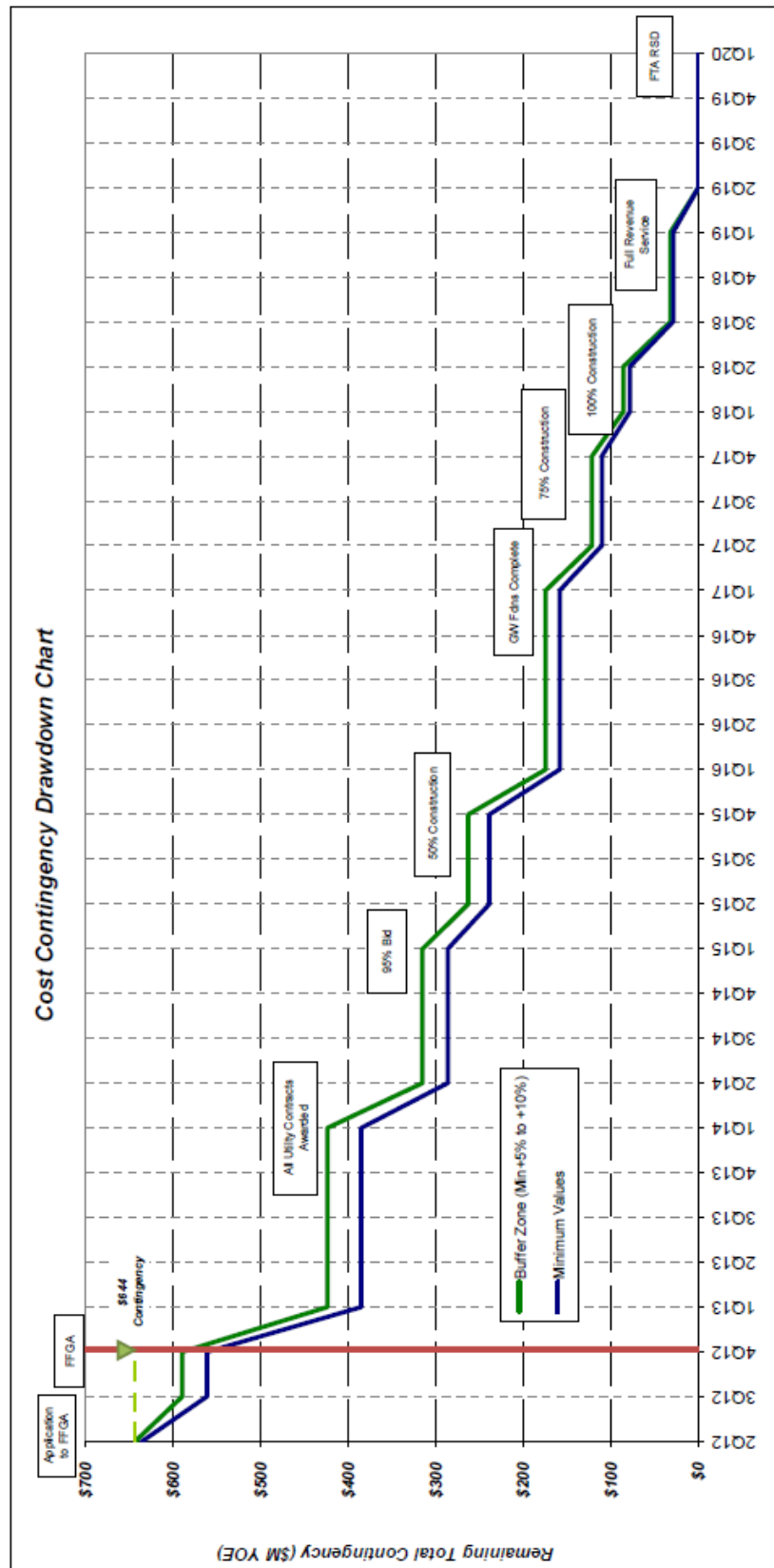
In re-baselining the Project Budget for FFGA, HART generated a bottoms-up estimate (BUE) for each work package identified in the CPP, based on the level of design and current pricing of material, equipment, construction labor, professional services, real estate and all other costs. These revised estimates took into account the reduction of contingencies to reflect the advancement of Final Design since the Preliminary Engineering phase, as reflected in the anticipated base cost of each work package with respect to future risk aspects. Contingency was then allocated in accordance with FTA guidelines and current risk modeling methodologies. Included in the base costs were elements that were considered “known” or pending changes, but were still subject to final negotiations with contractors and execution of change orders. The result was the shifting of contingency budget to the respective contract base estimates as appropriate. The net affect is a reduction of approximately \$170M between the previous Final Design Project Budget and the FFGA Project Budget. As discussed in Section 2.1, the Total Available Contingency is \$700.1M, which is the addition of the budgeted \$644M in contingency plus the estimated value of “known” and pending changes.

HART and the PMOC continue to hold a monthly breakout session to review changes being considered for each contract. Changes are classified as pending, probable or potential and are summarized as Changes ID'd (Changes Identified) in Project Cost reports. Pending changes are changes that have already been negotiated, have agreements reached and are in the signature/approval process. Probable changes are those already in the change management process that have been quantified to the extent of a HART-GEC estimate and a Contractor estimate with a time-impact evaluation (TIE), where appropriate. Probable changes are likely to have a negotiation strategy memo prepared and negotiations may be underway. Potential changes have only a HART-GEC estimate available to be discussed in more general terms. Finally, possible issues are less-defined, not yet quantified issues identified because they could have a future impact on the budget or timing of work.

HART continually manages the strategy to avoid or mitigate as well as plan the timing of any potential changes. Breakout session discussions focus on opportunities to reduce costs and accelerate contract-scheduled activities to attain key milestones earlier than targeted. The session concludes with an overview of the cost and schedule drawdown curves, if and when changes might occur, in order to assess project performance against total project contingencies and buffer float.

The Cost Contingency Drawdown Curve, subject to FTA/PMOC review as part of the RCMP revision process, is presented in Figure 12 on the next page. As of this reporting period, none of the executed change orders reduced the Baseline Budget Contingency amount of \$644M.

Figure 12. Draft Cost Contingency Drawdown Chart



2.5 PMOC Issues and HART Actions Taken

The Project Management Oversight Contractor (PMOC) identified the following key “Issues or Concerns” (reflected in quotes below) in its November 2012 Monthly Report to the FTA. HART actions to address each issue are described below. Issues closed by the PMOC are listed in Figure 13 on the next page.

- **Federal Court Ruling**

Issue: “On November 1, 2012, the U. S. District Court for the District of Hawaii issued a ruling in *Honolulutraffic.com v. Federal Transit Administration*. The Court ordered further environmental analysis. A court hearing is scheduled for December 12, 2012 to discuss whether certain project activities should be stopped while such further analysis is conducted.

It is unclear at this time what impact this lawsuit will have on the Project schedule and cost. More information will be available after the December 12, 2012 court.”

Action: HART is addressing the three items that the court found to be insufficient. HART intends to complete all items required by the federal court within the construction suspension period that has resulted from the state court case.

- **Hawaii State Supreme Court Ruling on AIS**

Issue: “On August 24, 2012, the Hawaii Supreme Court issued a ruling in *Kaleikini v. City and County of Honolulu*, finding that the City and County of Honolulu (City) violated a State of Hawaii (State) historic preservation law (Hawaii Revised Statute (HRS) Chapter 6E) by approving the Project, and allowing construction to proceed, before completing an Archaeological Inventory Survey (AIS) for the entire Project. The ruling reversed a previous Circuit Court decision that had upheld the granting of City and State permits based on the phased completion of the AIS rather than on the completion of the AIS for the entire alignment. Currently, HART is working to complete the AIS for the entire 20-mile alignment.

HART issued a partial suspension of construction work on August 24, 2012 for all ground-disturbing activities after the ruling by the Hawaii Supreme Court. On September 7, 2012, HART provided letters to its contractors clarifying that no construction activity would continue until future written notice is provided by HART. However, Final Design work is still proceeding on all contracts that have been awarded to date.

As a result of the State Supreme Court’s ruling, it is anticipated that there will be significant impacts to both the project schedule and project budget. The grantee’s preliminary analysis indicates that the cost impact for the three design-build contracts could range between \$64M and \$95M. The preliminary schedule analysis by the grantee indicates that there could be a nine to twelve-month impact on the interim opening but possibly no impact to the full Revenue Service Date. HART’s cost impact assessment and Mitigation Strategies are under review by the PMOC. The PMOC is awaiting an updated MPS that reflects the schedule impact.”

Action: HART continues to analyze the cost and schedule ramifications resulting from the Hawaii Supreme Court ruling. The analysis indicates that the delay will cost between \$7M and \$10M per month, and it is anticipated to be a nine to twelve month period. HART is proactively working with contractors on mitigation strategies and to ensure that work can resume without further interruption. HART has completed the required trenching, and the report preparation is underway. HART is confident that the delay will not affect the planned March 2019 revenue service date.

- **License Agreement with the Department of Hawaiian Home Lands (DHHL)**

Issue: “The grantee must execute a license agreement with the Department of Hawaiian Homelands (DHHL) to construct the MSF on the Navy Drum Site. The PMOC has recommended that the License Agreement be provided to the FTA and PMOC for review prior to execution. A Request for Right of Entry

(ROE) for construction was approved by the DHHL Board. The ROE allows access to Navy Drum Site for construction until the property acquisition occurs or the License Agreement is finalized.”

Action: License agreement discussions with DHHL continue as the final agreement documentation goes through legal review. There does not appear to be any issue that will impact the construction schedule for MSF.

- **State Safety Oversight Agency (SOA) Consultant**

Issue: “An interim HDOT State Oversight Agency (SOA) Project Manager has been working part-time since April 2011. HDOT anticipates hiring a full-time SOA Project Manager by the end of 2012. Given the status of this Project, it is critical that the permanent SOA Project Manager be identified as soon as possible.”

Action: HDOT has re-posted the position of Project Manager for Rail and HDOT anticipates the manager to be hired by February 2013. In the meantime, HDOT’s consultant continues their work on the requirements for the rail project.

Figure 13. Closed PMOC Issues

Closed Issues	
Description	Month Closed
Master Project Schedule (MPS) Critical Path	July 2011
Utilization of Letters of No Prejudice (LONPs)	February 2012
Program Management Support Consultant (PMSC) contract re-procured and NTP issued to InfraConsult LLC.	February 2012
Real Estate Consultant contract procured and NTP issued to Paragon Partners Ltd.	March 2012
WOFH Precast Yard	June 2012
MSF Long-Lead Materials Procurement	July 2012
Design-Build Project Cost Forecasting	October 2012
HDR Engineering, Inc. Acquisition of PMSC, InfraConsult LLC	October 2012

3 CONTRACT STATUS

3.1 Procurement Status

Figure 14. Procurement: Design-Build (DB), Design-Build-Operate-Maintain (DBOM) and Manufacture-Install-Maintain (MIM) Contracts

Procurement Tracking Report																		
Design-Build (DB), Design-Build-Operate-Maintain (DBOM) and Manufacture-Install-Test-Maintain Contracts																		
Contract #	Contract Name	Sched Ref*	Part 1			Part 2			Issue NTP 1	Issue NTP 1A	Issue NTP 1B	Issue NTP 1C	Issue NTP 2	Issue NTP 3	Issue NTP 4	Contract Completion	Comments	
			Issue RFQ	SOQs Due	Select BQO	Issue RFP	Submit Proposals	Execute Contract										
Design-Build Contracts																		
DB-120	West Oahu/Farrington Highway Guideway (WOFH) <i>[Kiewit Infrastructure West Company (KIWC)]</i>	CF	Feb 04 '09	Mar 13 '09	Mar 21 '09	Apr 03 '09	Aug 28 '09	Nov 11 '09	Dec 01 '09	Mar 11 '10	Mar 23 '10	Jun 04 '10	Mar 03 '11	May 24 '11	Feb 06 '12	Feb 29 '16	NTP1 : Pre-PE; NTP1A : Geotech (03/11/10); NTP1B : Interim Design/Prelim Engrg (03/23/10); NTP1C : Test Shafts (06/04/10); NTP2 : Utilities; NTP3 : Final Design; NTP4A : Construction w/o Casting Yd (02/06/12) Substan'l Compl'n = February 2016	
		Act	Feb 04 '09	Mar 13 '09	Mar 21 '09	Apr 03 '09	Aug 28 '09	Nov 17 '09	Dec 01 '09	Mar 11 '10	Mar 23 '10	Jun 04 '10	Dec 08 '10	May 24 '11	Feb 06 '12	Feb 06 '12		
		B/L	Feb 04 '09	Mar 13 '09	Mar 21 '09	Apr 03 '09	Aug 28 '09	Nov 01 '09	Dec 01 '09	Mar 11 '10	Mar 23 '10	Jun 04 '10	Dec 08 '10	Mar 15 '11	Feb 06 '12	Jan 31 '15		
		Var	-0-	-0-	-0-	-0-	-0-	(16)	-0-	-0-	-0-	-0-	(85)	(70)	-0-	(394)		
DB-200	Maintenance and Storage Facility (MSF) <i>[Kiewit/Kobayashi Joint Venture (KKJV)]</i>	CF	May 29 '09	Jul 02 '09	Jul 17 '09	Jul 24 '09	Feb 17 '10	Jun 30 '11	Jul 25 '11	-----	-----	-----	Jan 10 '12	Feb 07 '12	-----	Nov 30 '15	NTP1 : Prelim Engrg; NTP2 : Final Design; NTP3 : Construction Substan'l Compl'n = November 2015	
		Act	May 29 '09	Jul 02 '09	Jul 17 '09	Jul 24 '09	Feb 17 '10	Jun 30 '11	Jul 25 '11	-----	-----	-----	Jan 10 '12	Feb 07 '12	-----	-----		
		B/L	May 29 '09	Jul 02 '09	Jul 17 '09	Jul 24 '09	Feb 17 '10	Jun 30 '11	Mar 05 '11	-----	-----	-----	Sep 03 '11	Feb 07 '12	-----	Jan 05 '15		
		Var	-0-	-0-	-0-	-0-	-0-	-0-	(142)	-----	-----	-----	(129)	-0-	-----	(329)		
DB-320	Kamehameha Guideway (KHG) <i>[Kiewit Infrastructure West Company (KIWC)]</i>	CF	Nov 18 '09	Jan 05 '10	Feb 15 '10	Mar 19 '10	Oct 07 '10	Jun 30 '11	Jul 12 '11	-----	-----	-----	Jan 16 '12	Feb 07 '12	-----	Jul 29 '16	NTP1 : Prelim Engrg; NTP2 : Final Design; NTP3A : Construction (02/07/12) Substan'l Compl'n = July 2016	
		Act	Nov 18 '09	Jan 05 '10	Feb 15 '10	Mar 19 '10	Oct 07 '10	Jun 30 '11	Jul 12 '11	-----	-----	-----	Jan 10 '12	Feb 07 '12	-----	-----		
		B/L	Nov 18 '09	Jan 05 '10	Feb 15 '10	Mar 19 '10	Oct 07 '10	Apr 19 '11	Jul 12 '11	-----	-----	-----	Sep 03 '11	Feb 07 '12	-----	Jul 01 '15		
		Var	-0-	-0-	-0-	-0-	-0-	(72)	(80)	-----	-----	-----	(129)	-0-	-----	(394)		
Design-Bid-Operate-Maintain Contract																		
DBOM-920	Core Systems Contract <i>[Ansaldo Honolulu JV]</i>	CF	Apr 09 '09	Jun 05 '09	Jul 15 '09	Aug 17 '09	Jun 07 '10	Nov 28 '11	Jan 13 '12	-----	-----	-----	Jul 15 '12	Apr 15 '13	-----	Mar 31 '19		
		Act	Apr 09 '09	Jun 05 '09	Jul 15 '09	Aug 17 '09	Jun 07 '10	Nov 28 '11	Jan 13 '12	Jul 05 '12	-----	-----	-----	Jul 05 '12	-----	-----		
		B/L	Apr 09 '09	Jun 05 '09	Jul 15 '09	Aug 17 '09	Jun 07 '10	Feb 26 '11	Mar 03 '11	-----	-----	-0-	Jun 01 '12	Apr 15 '13	-----	Mar 31 '19		
		Var	-0-	-0-	-0-	-0-	-0-	(275)	(316)	-----	-0-	-0-	(34)	-0-	-----	-0-		
Manufacture-Install-Test-Maintain																		
MI-930	Elevators and Escalators	CF	Aug 17 '12	Oct 25 '12	Nov 08 '12	Dec 17 '12	Feb 22 '13	May 10 '13	May 10 '13				Jan 15 '15	Mar 15 '16	-----	Mar 15 '18	Installation of first elevator is planned to occur at Leeward Comm College Station Mar '15. NTP1 : Design/Interface Coordination; NTP2 : Manufacturing; NTP3 Installation/Testing Addendum No. 9; Part 2 Issued 01/25/13	
		Act	Aug 20 '12	Oct 25 '12	Nov 09 '12	Dec 18 '12									-----	-----		
		B/L	Sep 15 '12	Oct 30 '12	Dec 15 '12	Jan 15 '13	Mar 15 '13	Jun 15 '13	Jul 15 '13				Jan 15 '15	Mar 15 '16	-----	Nov 09 '17		
		Var	+26	+5	+36	+28	+21	+36	+66	-0-	-0-	-0-	-0-	-0-	-----	(126)		

[Successful Contractor]

* Schedule Reference:
CF = Current Forecast *AIS Delay Impacts incorporated into the Current Forecast.*
ACT = ACTUAL Completed Achieved this Month
B/L = Baseline Master Project Schedule
[Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]
Var = Variance of (Baseline Master Project Schedule) Less (Current Forecast)
+Ahead/(Behind)/0- versus the B/L Master Project Schedule

Notes:
WOFH: NTP4A: Construction w/o Casting Yard 02/06/2012
KHG: NTP3A: Construction 02/07/2012

Baselined (as reflected in the Master Project Schedule, Revision 4, March 30, 2012)

Figure 15. Procurement: Final Design (FD) Contracts

Procurement Tracking Report												
Final Design Contracts												
Contract #	Contract Name	Sched Ref [®]	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Bid Ready	Contract Completion	Comments
Final Design Agreements												
FD-240	Farrington Highway Station Final Design [HDR Engineering, Inc.]	CF Act B/L Var	Oct 02 '09 Oct 02 '09 Oct 02 '09 -0-	Nov 19 '09 Nov 19 '09 Nov 19 '09 -0-	-0-	-0-	Feb 15 '10 Feb 15 '10 Feb 15 '10 -0-	Apr 15 '10 Apr 15 '10 Apr 15 '10 -0-	Jan 14 '11 Jan 14 '11 Jan 14 '11 -0-	May 15 '13 Feb 15 '13 (89)	Dec 31 '15 May 30 '15 (215)	NTP 1b: 7/13/2012 - PE Design (A) NTP 2: (initial 07/29/2011)(limited work 12/15/2011) - Interim Design (A) NTP 2: (final 02/13/2012) - Interim Design (A) NTP 3: 01/28/2013 - Final Design (A)
FD-140	West Oahu Station Group Final Design [URS Corp.]	CF Act B/L Var	Jan 14 '10 Jan 14 '10 Jan 14 '10 -0-	-0-	-0-	-0-	Feb 08 '12 Feb 08 '12 Feb 11 '11 (362)	May 29 '12 Jun 15 '12 May 29 '12 (16)	Jun 08 '12 Jun 15 '12 Jun 08 '12 (7)	Sep 11 '13 Aug 11 '13 (31)	Jun 30 '16 Oct 30 '15 (244)	NTP 1a: 06/15/2012 - SoM, Workshop, Design Sch (A) NTP 1b: 09/06/2012 - PE Design (A) NTP 2: 01/04/2013 - Interim Design (A) NTP 3: 06/08/2013 - Final Design (CF)
FD-340	Kamehameha Highway Station Group Final Design (includes H2/R2 Ramp) [Anil Verma Assoc, Inc.]	CF Act B/L Var	Jun 28 '11 Jun 28 '11 Jun 28 '11 -0-	Aug 04 '11 Aug 04 '11 Aug 04 '11 -0-	Sep 28 '11 Sep 28 '11 Sep 28 '11 -0-	Oct 19 '11 Aug 20 '12 Oct 19 '11 (306)	Mar 02 '12 Nov 26 '12 Feb 28 '12 (185)	Nov 12 '12 Nov 16 '12 Jun 08 '12 (161)	Nov 26 '12 Nov 26 '12 Jun 22 '12 (157)	Dec 20 '13 Nov 15 '13 (35)	Oct 31 '16 Aug 29 '15 (429)	NTP 1a: 11/26/2012 - SoM, Workshop, Design Schedule (A) NTP 1b: 02/07/2013 - PE Design (CF) NTP 2: 04/29/2013 - Interim Design (CF) NTP 3: 09/06/2013 - Final Design (CF)
FD-430	Airport Section Guideway and Utilities Final Design [AECOM Tech Svcs, Inc.]	CF Act B/L Var	Utilities						Utilities		Oct 15 '13	NTP 1a: 01/05/2012- SoM, Workshop, Design Schedule (A) NTP 1b: 02/22/2012 - Updating the PE (A) NTP 2: 07/23/2012 - Interim Design (A) NTP 3: (Util) 02/21/2013 - Final Design (CF) NTP 3: (GW) 03/08/2013 - Final Design (CF)
			Jan 26 '11	Mar 14 '11	Apr 09 '11	Jun 09 '11	Sep 20 '11	Dec 22 '11	Jan 05 '12	Mar 01 '13	Jun 30 '17	
			Jan 26 '11	Mar 14 '11	Apr 09 '11	Jun 09 '11	Sep 20 '11	Dec 22 '11	Jan 05 '12	(228)	May 01 '18	
			Jan 26 '11	Mar 14 '11	Apr 09 '11	Jun 09 '11	Sep 20 '11	Jul 31 '11	Aug 01 '11	Apr 14 '14	(305)	
FD-530	City Center Section Guideway and Utilities Final Design [AECOM Tech Svcs, Inc.]	CF Act B/L Var	Guideway						Guideway		Apr 01 '14	NTP 1a: 07/31/2012- SoM, Workshop, Design Schedule (A) NTP 1b: 10/26/2012 - Updating the PE (A) NTP 2: (Util) 04/14/2013 - Interim Design (CF) NTP 2: (GW) 04/14/2013 - Interim Design (CF) NTP 3: (Util) 09/21/2013 - Final Design (CF) NTP 3: (GW) 12/20/2013 - Final Design (CF)
			Dec 16 '11	Feb 09 '12	Apr 04 '12	May 11 '12	Jun 05 '12	Aug 01 '12	Aug 01 '12	Feb 01 '14	Apr 30 '18	
			Dec 16 '11	Feb 09 '12	Apr 04 '12	May 11 '12	Jun 05 '12	Jul 30 '12	Jul 31 '12	Aug 15 '13	May 01 '18	
			Dec 16 '11	Feb 09 '12	Apr 04 '12	May 11 '12	Jun 05 '12	Jul 18 '12	Aug 01 '12	(170)	(1)	
FD-440	Airport Station Group Final Design [AECOM Tech Svcs, Inc.]	CF Act B/L Var	Mar 30 '12	May 10 '12	Jun 21 '12	Jul 10 '12	Aug 14 '12	Nov 01 '12	Nov 02 '12	Jan 15 '14	Jul 15 '17	NTP 1a: 11/14/2012 - SoM, Workshop, Design Schedule (A) NTP 1b: 01/04/2013 - PE Design (A) NTP 2: 05/03/2013 - Interim Design (CF) NTP 3: 09/30/2013 - Final Design (CF)
			Mar 30 '12	May 10 '12	Jun 21 '12	Jul 10 '12	Aug 14 '12	Nov 07 '12	Nov 14 '12	Apr 01 '14	Jul 29 '17	
			Mar 30 '12	May 10 '12	Jun 21 '12	Jul 21 '12	Aug 23 '12	Oct 12 '12	Oct 26 '12	+76	-0-	
			-0-	-0-	+7	+11	+9	(26)	(19)	(13)	(1)	
Re-Pkg FD-550	Dillingham and Kaka'ako Station Groups ("East Side Stations") Final Design [Airport Station Group not included]	CF Act B/L Var	Nov 15 '12 Nov 16 '12 Dec 15 '12 +29	Dec 18 '12 Dec 18 '12 Feb 18 '13 +62	Feb 18 '13 Apr 24 '13 +65	Mar 06 '13 May 31 '13 +86	Apr 10 '13 Jun 30 '13 +81	Jun 17 '13 Aug 29 '13 +73	Jun 28 '13 Sep 12 '13 +76	May 01 '15 Jun 15 '15 +45	Jul 30 '18 Sep 14 '18 +46	Combines two (2) station design contracts: FD-540 and FD-545. Includes the eight (8) stations from Kalihi to Ala Moana Center.
FD-245	Pearl Highlands Parking Structure/ Bus Transit Center Final Design (includes H2/R1 Ramp)	CF Act B/L Var	Apr 15 '13 Jun 30 '13 +76	May 30 '13 Aug 14 '13 +76	Jul 14 '13 Sep 28 '13 +76	Aug 20 '13 Nov 04 '13 +76	Sep 19 '13 Dec 04 '13 +76	Nov 18 '13 Feb 02 '14 +76	Dec 21 '13 Feb 16 '14 +57	Oct 01 '15 Oct 01 '15 -0-	Apr 29 '18 Apr 29 '18 -0-	
FD-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes Final Design	CF Act B/L Var	Sep 10 '14 Sep 10 '14 -0-	Dec 08 '14 Dec 08 '14 -0-	Jan 14 '15 Jan 14 '15 -0-	Feb 13 '15 Feb 13 '15 -0-	Apr 14 '15 Apr 14 '15 -0-	Apr 27 '15 Apr 27 '15 -0-	May 12 '15 May 12 '15 -0-	Jan 15 '16 Jan 15 '16 -0-	Sep 29 '18 Sep 14 '18 (15)	

[Successful Contractor]

* Schedule Reference:
CF = Current Forecast AIS Delay Impacts Incorporated into the Current Forecast.
ACT = ACTUAL Completed Achieved this Month
B/L = Baseline Master Project Schedule
[Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]
Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast)
+Ahead/(Behind)-0- versus the B/L Master Project Schedule

Notes:
All Final Design Consultants are responsible for providing Design Support Services during Bidding and during Construction in accordance with their contracts. Schedule Basis: Contract Completion date reflects final as-built drawing submittals.

Baselined (as reflected in the Master Project Schedule, Revision 4, March 30, 2012)

Figure 16. Procurement: Design-Bid-Build (DBB) Contracts

Procurement Tracking Report									
Design-Bid-Build (DBB) Contracts									
Contract #	Contract Name	Sched Ref*	Bid Ready Dates (Ref.)	Advertise for Bids	Bid Opening	Execute Contract	Issue NTP	Contract Completion	Comments
Design-Bid-Build Contracts									
DBB-505	Airport Section Utilities Construction	CF Act B/L Var	Oct 15 '13 Mar 01 '13 (228)	Nov 01 '13 Mar 29 '13 (217)	Jan 05 '14 May 31 '13 (219)	Feb 28 '14 Jul 15 '13 (228)	Mar 05 '14 Aug 01 '13 (216)	Dec 22 '15 Dec 15 '14 (372)	Airport Utilities Relocation Substantial Completion = Nov 07 '15
DBB-510	City Center Section Utilities Construction	CF Act B/L Var	Feb 01 '14 Aug 15 '13 (170)	Mar 15 '14 Sep 16 '13 (180)	May 15 '14 Nov 15 '13 (181)	Jun 08 '14 Jan 04 '14 (155)	Jun 15 '14 Jan 18 '14 (148)	Jun 13 '16 Sep 15 '15 (272)	City Center Utilities Relocation Substantial Completion = Apr 29 '16
Re-Pkg DBB-185	West Oahu/Farrington Hwy/Kamehameha Hwy Station Groups ("West Side Stations") Construction [Airport Station not included]	CF Act B/L Var	Dec 20 '13 Nov 15 '13 (35)	Jan 15 '14 Dec 16 '13 (30)	Feb 13 '14 Jan 30 '14 (14)	Apr 08 '14 Mar 17 '14 (22)	Apr 15 '14 Mar 31 '14 (15)	Nov 14 '16 Oct 30 '15 (381)	Substantial Completion = Sep 30 '16 Combines three (3) station construction contracts: DBB-170, DBB-270 and DBB-370. Includes the nine (9) stations from East Kapolei to Aloha Stadium plus the H2/R2 Ramp.
DBB-470	Airport Station Group Construction	CF Act B/L Var	Jan 15 '14 Mar 30 '12 (656)	Oct 01 '14 Dec 16 '13 (289)	Dec 01 '14 Jan 30 '14 (305)	Jan 25 '15 Mar 17 '14 (314)	Feb 01 '15 Mar 31 '14 (307)	Jun 15 '17 Aug 29 '15 (656)	Substantial Completion = May 01 '17 Includes the four (4) stations: Pearl Harbor, Airport, Lagoon Drive and Middle Street.
Re-Pkg DBB-580	Dillingham/Kaka'ako Station Groups ("East Side Stations") Construction	CF Act B/L Var	May 01 '15 Jun 15 '15 +45	Jul 15 '15 Jan 05 '15 (191)	Sep 14 '15 Feb 19 '15 (207)	Nov 08 '15 Apr 05 '15 (217)	Nov 15 '15 Apr 19 '15 (210)	Aug 14 '18 Jun 29 '17 (411)	Substantial Completion = Jun 30 '18 Combines two (2) station construction contracts: DBB-570 and DBB-575. Includes the eight (8) stations from Kalihi to Ala Moana Center.
DBB-520	Airport and City Center Sections Guideway Construction	CF Act B/L Var	Apr 14 '14 Jan 15 '16 +641	May 01 '14 May 01 '14 -0-	Aug 15 '14 Jun 16 '14 (60)	Oct 09 '14 Jul 31 '14 (70)	Oct 15 '14 Aug 14 '14 (62)	Apr 29 '18 Jul 01 '18 +63	Airport GW Subst'l Compl'n = Jun 30 '17 City Center GW Subst'l Compl'n = Mar 15 '18
DBB-275	Pearl Highlands Parking Structure/ Bus Transit Center Construction (Includes H2/R1 Ramp)	CF Act B/L Var	Oct 01 '15 Oct 01 '15 -0-	Nov 15 '15 Oct 30 '15 (16)	Dec 14 '15 Dec 14 '15 -0-	Jan 28 '16 Jan 28 '16 -0-	Feb 11 '16 Feb 11 '16 -0-	Apr 29 '18 Apr 29 '18 -0-	Substantial Completion: Mar 15 '18
DBB-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes Construction	CF Act B/L Var	Jan 15 '16 Jan 15 '16 -0-	Mar 15 '16 Feb 15 '16 (29)	Jun 08 '16 Apr 15 '16 (54)	Sep 01 '16 May 30 '16 (94)	Sep 15 '16 Jun 15 '16 (92)	Aug 15 '18 Aug 15 '18 -0-	Substantial Completion: Jul 01 '18

[Successful Contractor]

Note: Bid Ready Dates from FD Tracking sheet for Reference.

* Schedule Reference:
CF = Current Forecast
ACT = ACTUAL
B/L = Baseline Master Project Schedule
[Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]
Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast)
+Ahead/(Behind)/-0- versus the B/L Master Project Schedule

Note: Contract Completion based on 45 days after Substantial Completion (or, with station groups, the last station in the group).

Baselined (as reflected in the Master Project Schedule, Revision 4, March 30, 2012)

Figure 17. Procurement: Construction Engineering and Inspection Services (CE&I) Contracts

Procurement Tracking Report												
Construction Engineering and Inspection (CE&I) Services Contracts												
Contract #	Contract Name	Sched Ref*	Advertise RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Constr Advise for Bids (Ref.)	Contract Completion	Comments
Construction Engineering & Inspection Agreements												
MM-500	Airport & City Center Section Utilities CE&I Services	CF Act B/L Var	Dec 13 '12 Dec 21 '12 Jul 20 '12 (154)	Jan 30 '13 Jan 30 '13 Aug 20 '12 (163)	Mar 28 '13 Sep 10 '12 (199)	Jun 04 '13 Oct 09 '12 (238)	Jul 26 '13 Nov 08 '12 (260)	Sep 24 '13 Dec 13 '12 (285)	Oct 01 '13 Dec 28 '12 (277)	Nov 01 '13 Sep 16 '13 (46)	Jun 13 '16 Oct 30 '15 (227)	NTP is based on the schedule for the Airport Section Utilities Construction contract (DBB-505). Addendum No. 1 issued Jan 21 '13.
Re-Pkg MM-280	West Oahu, Farrington Highway and Kamehameha Highway Station Groups ("West Side Stations") CE&I Services (includes H2/R2 Ramp)	CF Act B/L Var	Jan 22 '13 Jan 23 '13 Feb 13 '13 +21	Mar 14 '13 Mar 15 '13 +1	May 14 '13 Apr 16 '13 (28)	Jul 23 '13 May 16 '13 (68)	Sep 17 '13 Feb 22 '13 (207)	Nov 21 '13 Aug 16 '13 (97)	Dec 02 '13 Sep 16 '13 (77)	Jan 15 '14 Dec 16 '13 (30)	Jun 15 '17 Aug 29 '15 (656)	NTP is based on the schedule for the re-packaged "West Side Stations" Construction contract (DBB-185).
MM-525	Airport and City Center Sections Guideway CE&I Services	CF Act B/L Var	Jul 05 '13 Jul 19 '13 +14	Aug 19 '13 Sep 02 '13 +14	Oct 02 '13 Oct 16 '13 +14	Nov 01 '13 Nov 15 '13 +14	Dec 02 '13 Oct 09 '00 Dec 16 '13 +14	Jan 31 '14 Feb 14 '14 +14	Apr 01 '14 Mar 17 '14 (15)	May 01 '14 May 01 '14 -0-	Jun 13 '18 Aug 15 '18 +63	
Re-Pkg MM-590	Airport, Dillingham and Kaka`ako Station Groups ("East Side Stations") CE&I Services	CF Act B/L Var	Feb 05 '14 May 23 '14 +107	Mar 08 '14 Jun 23 '14 +107	Apr 05 '14 Jul 21 '14 +107	May 04 '14 Aug 19 '14 +107	Jun 03 '14 Sep 18 '14 +107	Aug 02 '14 Nov 17 '14 +107	Sep 01 '14 Dec 17 '14 +107	Oct 01 '14 Jan 05 '15 +96	Aug 14 '18 Jul 30 '18 (15)	NTP is based on the schedule for the Airport Station Group Construction contract (DBB-470).
MM-385	Pearl Highlands Parking Structure/ Bus Transit Center CE&I Services (includes H2/R1 Ramp)	CF Act B/L Var	Mar 20 '15 Jan 05 '15 (74)	Apr 17 '15 Feb 02 '15 (74)	May 18 '15 Mar 05 '15 (74)	Jun 16 '15 Apr 03 '15 (74)	Jul 17 '15 May 04 '15 (74)	Sep 15 '15 Jul 03 '15 (74)	Oct 16 '15 Aug 03 '15 (74)	Nov 15 '15 Oct 30 '15 (16)	Apr 29 '18 Apr 29 '18 -0-	
MM-600	UH West Oahu Park-and-Ride and Ho`opili Station Finishes CE&I Services	CF Act B/L Var	Aug 01 '15 Oct 21 '15 +81	Aug 31 '15 Nov 20 '15 +81	Oct 01 '15 Dec 21 '15 +81	Oct 31 '15 Jan 20 '16 +81	Nov 30 '15 Feb 19 '16 +81	Jan 15 '16 Apr 05 '16 +81	Feb 14 '16 May 05 '16 +81	Mar 15 '16 Feb 15 '16 (29)	Sep 29 '18 Aug 15 '18 (45)	

[Successful Contractor]

* Schedule Reference:

CF = Current Forecast AIS Delay Impacts Incorporated into the Current Forecast.

ACT = ACTUAL Completed Achieved this Month

B/L = Baseline Master Project Schedule

[Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-bas 1/23/2013

Variance = Variance of (Be 1/25/2013

+Ahead/(Behind)/-0- versus the B/L Master Project Schedule

Note: Constr Adv for Bids for Reference.

Schedule Basis: NTP to CE&I Contracts one (1) month prior to Advertise for Construction Bids; Contract completion is three (3) months after Substantial Completion for contract closeout.

Baselined (as reflected in the Master Project Schedule, Revision 4, March 30, 2012)

Figure 18. Procurement: Project Management and Specialty Consultant Services Contracts

Procurement Tracking Report											
Project Management and Specialty Consultant Services Contracts											
CPP Contract #	Contract Name	Sched Ref*	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Contract Completion	Comments
MM-900	Program Management Support Consultant - 1 (PMSC-1) [InfraConsult LLC]	CF Act B/L Var	Jul 15 '09 Jul 15 '09 Jul 15 '09 -0-	Sep 01 '09 Sep 01 '09 Sep 01 '09 -0-		-0-	-0-	-0-	Nov 19 '09 Nov 19 '09 Nov 19 '09 -0-	Feb 28 '13 Feb 28 '12 (366)	
MM-901	Program Management Support Consultant - 2 (PMSC-2) [InfraConsult LLC]	CF Act B/L Var	Aug 03 '11 Aug 03 '11 Aug 03 '11 -0-	Sep 02 '09 Sep 02 '09 Sep 02 '09 -0-	-0-	-0-	-0-	Feb 28 '12 Feb 28 '12 Feb 23 '12 (5)	Mar 08 '12 Mar 08 '12 Feb 23 '12 (14)	Feb 28 '15 Feb 28 '15 -0-	
MM-905	General Engineering Consultant I (GEC-1) (EIS/Preliminary Engrg) [Parsons Brinckerhoff]	CF Act B/L Var	Jun 01 '07 Jun 01 '07 Jun 01 '07 -0-	Aug 24 '07 Aug 24 '07 Aug 24 '07 -0-	-0-	-0-	-0-	-0-	Oct 25 '09 Oct 25 '09 Oct 25 '09 -0-	Feb 28 '13 Mar 25 '12 (340)	
MM-910	General Engineering Consultant II (GEC-2) (Final Design and Construction) [Parsons Brinckerhoff, Inc.]	CF Act B/L Var	Sep 03 '09 Sep 03 '09 Sep 03 '09 -0-	Nov 15 '09 Nov 15 '09 Nov 15 '09 -0-	-0-	-0-	-0-	Jun 30 '11 Jun 30 '11 Jun 30 '11 -0-	Aug 02 '11 Aug 02 '11 Aug 02 '11 -0-	Aug 01 '14 Aug 01 '14 -0-	
MM-935	Real Estate Consultant [Paragon Partners, Ltd.]	CF Act B/L Var	Apr 01 '11 Apr 01 '11 Apr 01 '11 -0-				Sep 08 '11 Sep 08 '11 Sep 08 '11 -0-	Mar 14 '12 Mar 14 '12 Mar 15 '12 +1	Mar 14 '12 Mar 14 '12 Mar 15 '12 +1	Mar 13 '17 Mar 13 '17 -0-	
MM-940	Kako'o Consultant [Pacific Legacy, Inc.]	CF Act B/L Var	May 20 '11 May 20 '11 May 20 '11 -0-	Jun 20 '11 Jun 20 '11 -0-	-0-	-0-	Sep 09 '11 Sep 09 '11 Sep 09 '11 -0-	Mar 29 '12 Mar 29 '12 Mar 15 '12 (14)	Mar 29 '12 Mar 30 '12 Mar 15 '12 (14)	Feb 14 '17 Feb 14 '17 -0-	
MM-950	Owner Controlled Insurance Program (OCIP) Consultant [Marsh USA, Inc.]	CF Act B/L Var	Jan 31 '12 Jan 31 '12 Jan 31 '12 -0-	-0-	-0-	-0-	Mar 01 '12 Mar 01 '12 Mar 01 '12 -0-	May 10 '12 May 10 '12 May 18 '12 +8	May 10 '12 Jun 05 '12 Apr 28 '12 (38)	May 09 '17 Dec 01 '19 ---	5-year Consultant Services contract to assist in procurement of insurance coverage and administer insurance and risk management services for the H RTP.
MM-975	LEED Commissioning Services for the Maintenance and Storage Facility (MSF) [Enovity, Inc.]	CF Act B/L Var						Oct 06 '10 Oct 06 '10 Oct 07 '10 +1	Oct 07 '10 Oct 07 '10 Oct 07 '10 -0-	Jan 14 '16 Jan 14 '16 -0-	

[Successful Contractor]

* Schedule Reference:
CF = Current Forecast
ACT = ACTUAL Completed Achieved this Month
B/L = Baseline Master Project Schedule
[Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]
Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast)
+Ahead/(Behind)/-0- versus the B/L Master Project Schedule

Baselined (as reflected in the Master Project Schedule, Revision 4, March 30, 2012)

Figure 19. Procurement: HDOT Consultant Services and Other Contracts

Procurement Tracking Report											
Hawaii Department of Transportation (HDOT) Consultant Services Contracts and Other Contracts											
CPP Contract #	Contract Name	Sched Ref*	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Contract Completion	Comments
HDOT Agreements											
MM-915	HDOT Traffic Management Coordination Consultant [ICX Transportation Group]	CF Act B/L Var	Aug 15 '11 Aug 15 '11 Mar 04 '11 (164)	-0-	-0-	-0-	-0-	Jun 01 '12 Jun 05 '12 Jun 01 '12 (4)	Jul 01 '12 Jun 12 '12 Jul 01 '12 +19	Jul 01 '17 Feb 15 '19 +594	Scope of services is for the entire alignment. Contract length = 60 months.
MM-920	HDOT Design Coordination Consultant - West Oahu/Farrington Highway Guideway Section [AECOM Tech Svcs, Inc.]	CF Act B/L Var						Jun 07 '11 Jun 07 '11 Jun 07 '11 -0-	Jun 08 '11 Jun 08 '11 Jun 08 '11 -0-	Jun 15 '18 Jun 15 '18 Jun 15 '18 -0-	
MM-921	HDOT Design Coordination Consultant - Kamehameha Highway Guideway Section [AECOM Tech Svcs, Inc.]	CF Act B/L Var						Jun 01 '12 Jun 05 '12 Apr 01 '12 (61)	Jul 01 '12 Jun 29 '12 Jul 01 '12 (2)	Jul 15 '15 Jul 15 '15 Jul 15 '15 -0-	
MM-922	HDOT Design Coordination Consultant - Airport and City Center Guideway Sections [SSFM International]	CF Act B/L Var						Jan 16 '14 Jun 08 '12 Jan 16 '14 +587	Jan 30 '14 Jun 12 '12 Jan 30 '14 +597	Jun 15 '18 Jun 15 '18 Jun 15 '18 -0-	The scope of services for City Center, previously packaged as a separate contract (MM-923), is now included as part of this contract, the option executed on Nov 01 '12. MM-923 has been deleted.
Other Agreements											
MM-945	On-Call Construction Contractor(s)	CF Act B/L Var	Mar 15 '13 Mar 15 '13 -0-	Apr 14 '13 Apr 14 '13 -0-	Apr 29 '13 Apr 29 '13 -0-	May 29 '13 May 29 '13 -0-	Jun 28 '13 Jun 28 '13 -0-	Jul 28 '13 Jul 28 '13 -0-	Aug 27 '13 Aug 27 '13 -0-	Mar 03 '19 Mar 03 '19 -0-	
MM-946	On-Call HazMat Contractor [CH2M Hill + HazMat Contractor]	CF Act B/L Var						Jun 15 '12 Aug 23 '12 Jun 15 '12 -0-	Sep 07 '12 Sep 07 '12 Jun 30 '12 (69)	Feb 15 '17 Feb 15 '17 -0-	

[Successful Contractor]

* Schedule Reference:
CF = Current Forecast
ACT = ACTUAL Completed Achieved this Month
B/L = Baseline Master Project Schedule
[Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]
Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast)
+Ahead/(Behind)/-0- versus the B/L Master Project Schedule

Baselined (as reflected in the Master Project Schedule, Revision 4, March 30, 2012)

3.2 Design-Build (DB) Contract Status

Contract DB-120: West Oahu/Farrington Highway Guideway (WOFH)

DB Contractor: Kiewit Infrastructure West Company (KIWC)

Committed:¹ \$517,451,291

Incurred to date: \$162,470,510

Authorized:² \$295,685,357 (57.1%)

Substantial Completion: February 2016

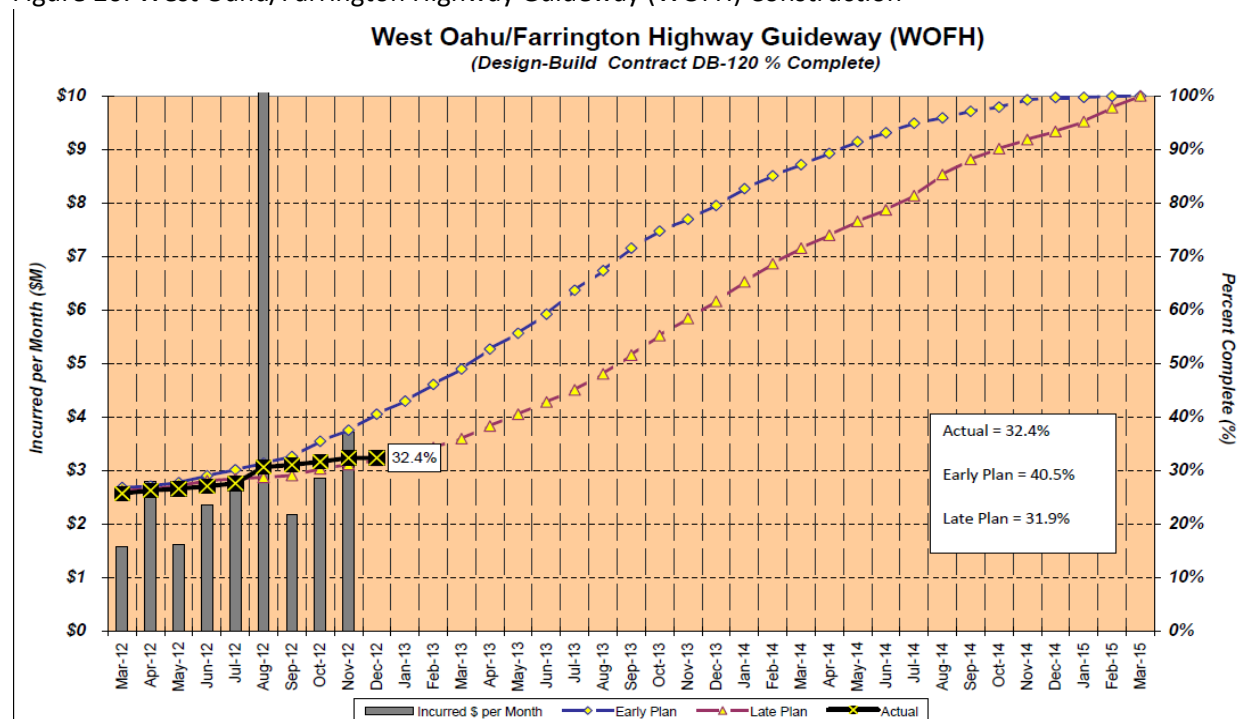
¹ Commitment as of 12/28 = Contract value (not including contingency) + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 12/28 = NTP dollar values + executed Change Orders.

• Contract Progress

Actual progress as of December 28 is 32.4%, versus the early plan of 40.5% and the late plan of 31.9%, as shown in Figure 20 below. 0 was incurred in December. Design is 95% complete, based on Schedule of Milestones completion, and continues through the partial suspension of construction. A revised baseline schedule will be processed once the date for restart of construction is confirmed.

Figure 20. West Oahu/Farrington Highway Guideway (WOFH) Construction



• Activities this month

- HART continues to work with KIWC to mitigate the impact of the partial suspension of construction activities, including demobilization of personnel and equipment. Executed contract change order allowing for payment of actual costs for activities affected by the partial suspension of construction activity.
- KIWC continues to maintain and secure the project site including laydown yards during the construction suspension.
- A total of 403 contract submittals have been received (4 currently under review).
- KIWC has completed 23 (27%) of 86 final design submittals.
- HART has received 226 Requests for Information (RFIs) from the contractor (all closed).

• Look Ahead

- Continue working with KIWC to mitigate impacts of the partial suspension of construction activities, including demobilization of personnel and equipment.
- Continue interface and final design activities.

Contract DB-200: Maintenance and Storage Facility (MSF)

DB Contractor: Kiewit/Kobayashi Joint Venture (KKJV)

Committed:¹ \$214,855,737

Incurred to date: \$38,142,099

Authorized:² \$147,886,471 (68.8%)

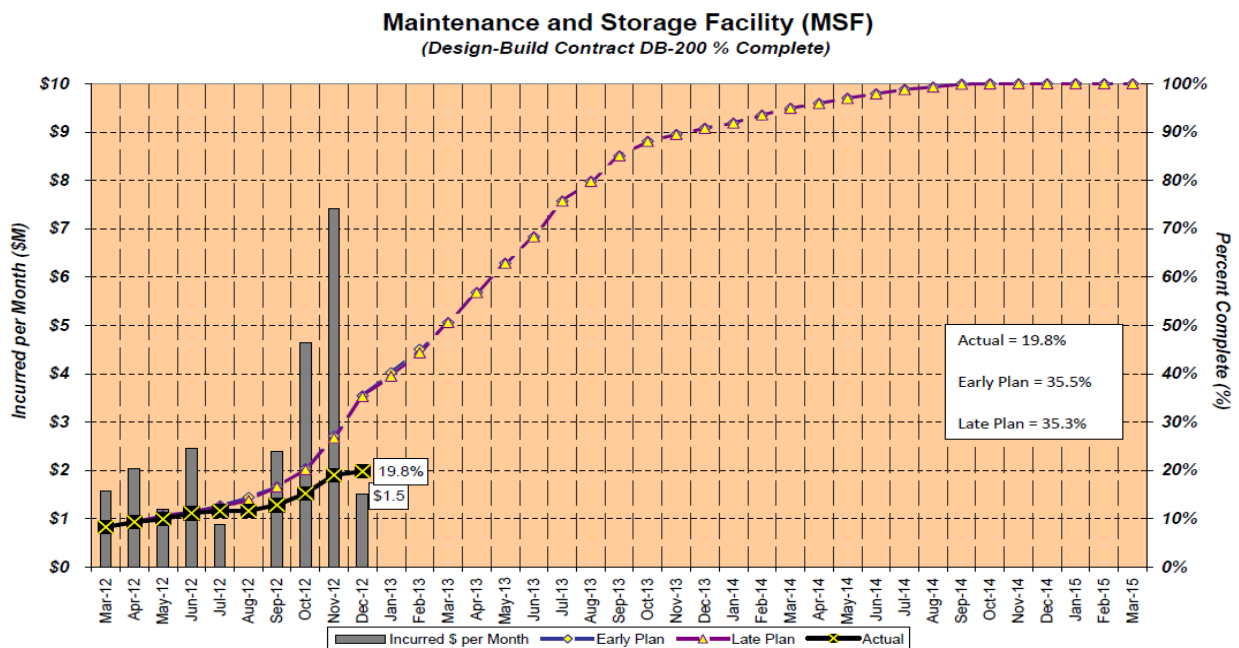
Substantial November 2015

Completion:

¹ Commitment as of 12/28 = Contract value (not including contingency) + executed Change Orders.² Total Authorized for Expenditure (AFE) as of 12/28 = NTP dollar values + executed Change Orders.**Contract Progress**

Actual progress as of December 28 is 19.8%, versus the early plan of 35.5% and the late plan of 35.3%, as shown in Figure 21 below. In December, \$0.953M was incurred. Design is 95% complete, based on Schedule of Milestones completion, and is continuing through the partial suspension of construction. A revised baseline schedule will be processed once the date for restart of construction is confirmed.

Figure 21. Maintenance and Storage Facility (MSF) Construction

**Activities this month**

- HART continues to work with KKJV to mitigate impacts of the partial suspension of construction activities, including demobilization of personnel and equipment. As part of the contract change order allowing for payment of actual costs for activities affected by the partial suspension of construction activity, HART is reviewing KKJV invoices.
- KKJV continues to maintain and secure the project site including laydown yards during the construction suspension.
- KKJV has completed 4 (44%) of 9 final design submittals.
- KKJV is working with Ansaldo to resolve interface issues.
- HART has received 126 Requests for Information (RFIs) from the contractor (4 open).
- The second shipment of 2500 tons of rail was received on December 19th.

Look Ahead

- Continue working with KKJV to mitigate impacts of the partial suspension of construction activities, including demobilization of personnel and equipment.
- Resolve Core Systems interface items.
- Oversee delivery of rail material.

Contract DB-320: Kamehameha Highway Guideway (KHG)

DB Contractor: Kiewit Infrastructure West Company (KIWC)

Committed:¹ \$372,150,000

Incurred to date: \$82,491,730

Authorized:² \$162,166,081 (43.6%)

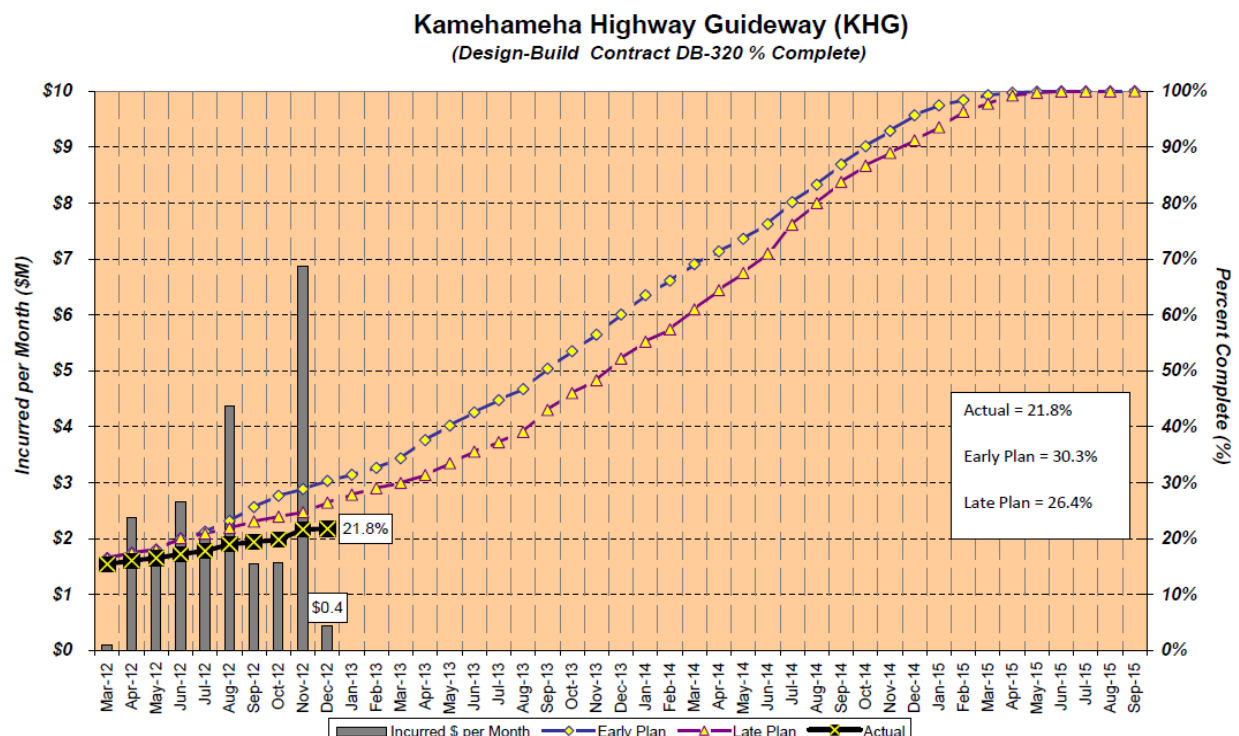
Substantial Completion: June 2016

¹ Commitment as of 12/28 = Contract value (not including contingency) + executed Change Orders.² Total Authorized for Expenditure (AFE) as of 12/28 = NTP dollar values + executed Change Orders.

- Contract Progress**

Actual progress as of December 28 is 21.8%, versus an early plan of 30.3% and a late plan of 26.4%, as shown in Figure 22 below. In December, \$1.95M was incurred. Design is 91% complete, based on Schedule of Milestones completion, and is continuing through the partial suspension of construction. A revised baseline schedule will be process once the date for restart of construction is confirmed.

Figure 22. Kamehameha Highway Guideway (KHG) Construction



- Activities this month**

- HART continues to work with KIWC to mitigate impacts of the partial suspension of construction activities, including demobilization of personnel and equipment. As part of the contract change order allowing for payment of actual costs for activities affected by the partial suspension of construction activity, HART is reviewing KIWC invoices.
- KIWC continues to maintain and secure the project site including laydown yards during the construction suspension.
- A total of 163 contract submittals have been received (13 under review).
- KIWC has completed 6 (16%) of 37 final design submittals.
- HART has received 78 Requests for Information (RFIs) from the contractor (1 open).

- Look Ahead**

- Continue working with KIWC to mitigate impacts of the partial suspension of construction activities, including demobilization of personnel and equipment.
- Continue interface and design activities.

3.3 Design-Build-Operate-Maintain (DBOM) Contract Status

Contract DBOM-920: Core Systems Contract (CSC)

DBOM Contractor: Ansaldo Honolulu Joint Venture (AHJV)

Committed:¹ \$573,782,793

Incurred to date: \$24,734,191

Authorized:² \$ 97,918,391 (17.1%)

Start-up Completion: March 2019

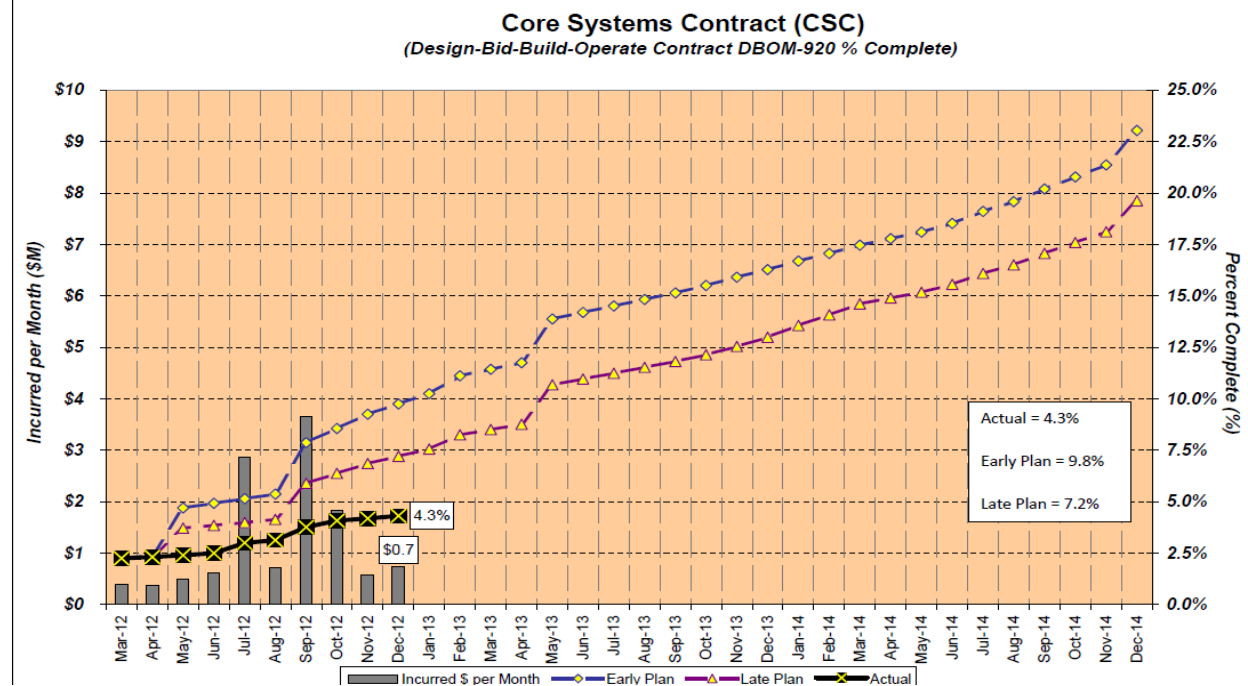
¹ Commitment as of 12/28 = Contract value (excluding contingency and \$823.6 M O&M budget) + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 12/28= NTP dollar values + executed Change Orders.

• Contract Progress

Actual progress as of December 28 is 4.3%, versus the early plan of 9.8% and the late plan of 7.2%, as shown in Figure 23 below. In December, \$0.738M was incurred. Design is 12% complete.

Figure 23. Core Systems Contract (CSC)



• Activities this month

- AHJV continues to participate in Interface meetings and to issue/respond to Requests for Interface Data (RFIDs) and to coordinate fixed-facility contractor interfaces.
- HART reviewing AHJV design submittals for all systems. Main focus on Communications, Traction Power, Vehicles and Train Control systems.
- HART continues to meet weekly with AHJV to review Core Systems progress and critical issues.
- HART-AHJV have concluded Vehicle and Communication System Definitive Design Review Meetings and established open items for AHJV response.

• Look Ahead

- AHJV to revise and respond to HART comments on the Definitive Design submittals.
- Resolve interface issues with fixed facility contractors, particularly MSF and FHSG design.
- AHJV to submit Fire Protection Definitive Design package.
- HART-AHJV to conduct Definitive Design Review Meetings for Train Control, Traction Power and Fire Detection.
- HART evaluation of AHJV proposal for Platform Screen Gates.
- Sub-contract remaining subsystems suppliers, most importantly, vehicle sub-suppliers.
- Continue progress and interface meetings.

3.4 Final Design (FD) Contract Status

3.4.1 Station DBB Contracts Status (Executed and In Negotiation)

Contract FD-140: West Oahu Station Group Construction (WOSG) Final Design

Contractor: URS, Final Design Consultant (Engineer of Record)

Committed: ¹ \$7,789,000

Incurred to date: \$1,930,988

Authorized: ² \$4,594,398 (59.0%) Construction Docs Bid-Ready: September 2013

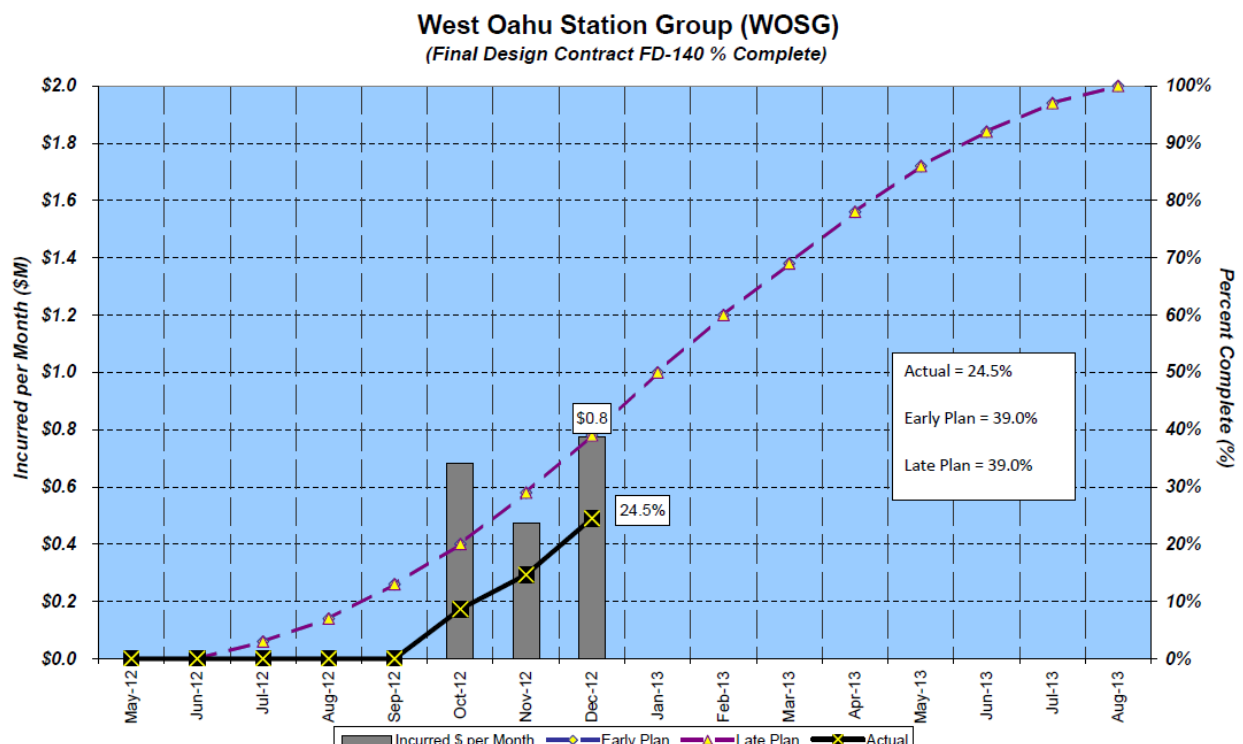
¹ Total Commitment as of 12/28 = Contract value (not including contingency) with Design Allowance + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 12/28= NTP dollar values + executed Change Orders.

• Contract Progress

Actual progress as of December 28 is 24.5%, versus the early and late plans of 39.0%, as shown in Figure 24 below. In December, \$0.775M was incurred. Design is 25% complete.

Figure 24. West Oahu Station Group (WOSG) Final Design



• Activities this month

- Reviewing PE design update and cost estimate.
- Negotiation of scope and fee estimate has been finalized for the provisions for redundant elevator.
- Continued to hold weekly progress and interface meetings.
- Released ground disturbance activities as it relates to design development.
- Environmental Compliance plan accepted.
- Partnering meeting with Principal-in-Charge.

• Look Ahead

- Continue interim design development.
- Continued to hold weekly progress and interface meetings.

Contract FD-240: Farrington Highway Station Group (FHSG) Final Design

Contractor: HDR Engineering, Inc., Final Design Consultant (Engineer of Record)

Committed:¹ \$8,008,045

Incurred to date: \$6,108,179

Authorized:² \$6,591,443 (82.3%)

Construction Documents

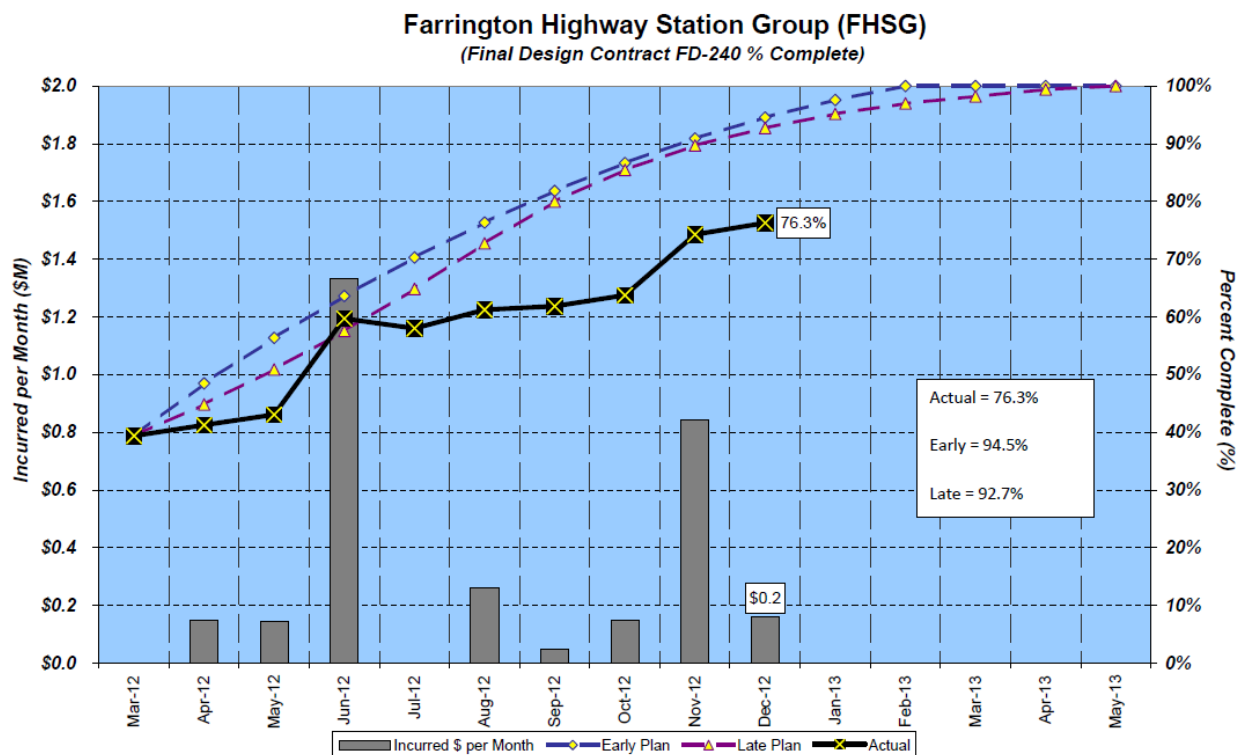
Bid-Ready: May 2013

¹ Commitment as of 12/28 = Contract value (not including contingency) with Design Allowance + executed Change Orders.² Total Authorized for Expenditure (AFE) as of 12/28= NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of December 28 is 76.3%, versus the early plan of 94.5% and the late plan of 92.7%, as shown in Figure 25 below. In December, \$0.162M was incurred. Progress lags the plan due to delay in resolving outstanding design and interface issues; HART and HDR are evaluating a 60-day no-cost schedule extension.

Figure 25. Farrington Highway Station Group (FHSG) Final Design



- **Activities this month**

- Reviewing interim design submittal and cost estimate.
- Continued to hold weekly progress and interface meetings.
- Continuing third-party (Billings Jackson and 212) design submittal to coordinate with HDR.
- Continued to negotiate changes.

- **Look Ahead**

- Provide interim design and cost estimate review comments.
- Issue NTP 3 – Final Design

Contract FD-340: Kamehameha Highway Station Group (KHSG) Final Design

Contractor: Anil Verma Associates, Inc., Final Design Consultant (Engineer of Record)

Committed:¹

Incurred to date:

Authorized:² \$491,104 (5.6%)

Construction Documents Bid-Ready:

December 2013

¹ Commitment as of 12/28 = Contract value (not including contingency) with Design Allowance + executed Change Orders.² Total Authorized for Expenditure (AFE) as of 12/28= NTP dollar values + executed Change Orders.

- **Activities this month**

- AVA submitted various plans as required in NTP 1a for HART review.
- AVA submitted draft schedule of milestone and schedule for HART review.
- Continued to hold weekly progress and interface meetings.

- **Look Ahead**

- Provide review comments on various plans submitted as required in NTP 1a.
- AVA to submit Right-of-Entry (ROE) for site survey.
- Accept schedule of milestones and schedule.
- Issue NTP 1b – Update of preliminary engineering plans.

Contract FD-440: Airport Station Group (ASG) Final Design

Contractor: AECOM Technical Services, Inc., Final Design Consultant (Engineer of Record)

Committed:¹ \$10,177,365

Incurred to date:

Authorized:² \$2,878,543 (28.3%)

Construction Documents Bid-Ready:

January 2014

¹ Commitment as of 12/28 = Contract value (not including contingency) with Design Allowance + executed Change Orders.² Total Authorized for Expenditure (AFE) as of 12/28= NTP dollar values + executed Change Orders.

- **Activities this month**

- Issued NTP 1b – Update of preliminary engineering.
- Provide HART review comments on various submittals in NTP 1a.
- Reviewing AECOM's construction cost validation rejected.
- Schedule of milestone and baseline schedule accepted.
- Continued to hold weekly progress and interface meetings.

- **Look Ahead**

- Continue working on the preliminary engineering development.

Contract FD-430 Airport Section Guideway and Utilities Final Design

Contractor: AECOM Technical Services, Inc., Final Design Consultant (Engineer of Record)

Committed:¹ \$39,115,960

Incurred to date: \$15,253,055

Authorized:² \$31,341,791 (80.1%)

Construction Documents

Bid-Ready: October 2013

Utilities April 2014

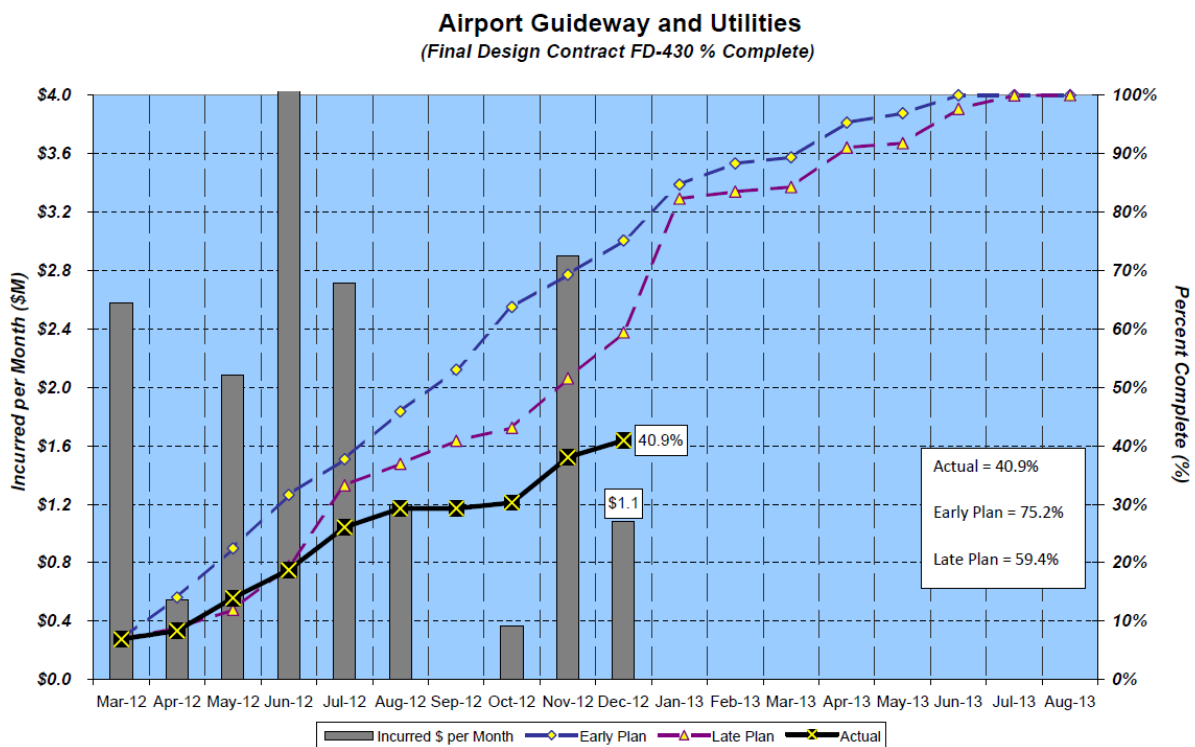
Guideway

¹ Commitment as of 12/28 = Contract value (not including contingency) with Design Allowance + executed Change Orders.² Total Authorized for Expenditure (AFE) as of 12/28 = NTP dollar values + executed Change Orders.

- Contract Progress**

Actual progress as of December 28 was 40.9%, versus the early plan of 75.2% and the late plan of 59.4%, as shown in Figure 26 below. In December, \$1.081M was incurred.

Figure 26. Airport Guideway and Utilities Final Design



- Activities this month**

- Continued coordination with HDOT (Highway and Airport) and utility companies, and other stakeholders.
- Continued weekly progress/design and interface meetings.
- Continued interim design development.
- Provide review comments on SOM revision 2 to reflect packaging plan and AIS delay.

- Look Ahead**

- HART to complete review of construction cost estimate.
- Continue working on interim design packages.
- Resolution of Airport station and alignment.
- Start potholings, geotechnical borings, and phase II ESA survey as it relates to design.

Contract FD-530: City Center Section Guideway and Utilities Final Design

Contractor: AECOM Technical Services, Inc., Final Design Consultant (Engineer of Record)

Committed:¹ \$43,948,220

Incurred: \$267,668

Authorized:² \$15,949,421 (36.3%)

Construction Documents Bid-Ready:

Utilities August 2013

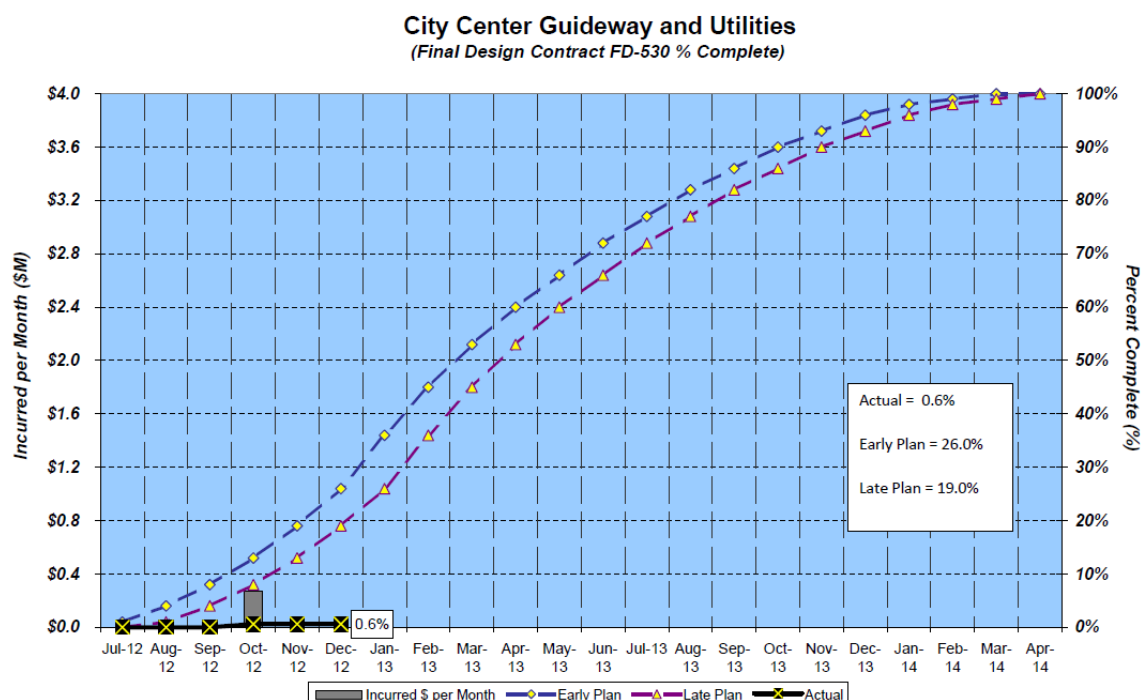
Guideway April 2014

¹ Commitment as of 12/28 = Contract value (not including contingency) with Design Allowance + executed Change Orders.² Total Authorized for Expenditure (AFE) as of 12/28 = NTP dollar values + executed Change Orders.

- Contract Status**

Actual progress as of December 28 is 0.6%, versus the early plan of 26.0% and the late plan of 19.0%, as shown in Figure 257 below. This contract is to be combined into the Airport and City Center Guideway Construction contract (DBB-520).

Figure 27. City Center Guideway and Utilities Final Design



- Activities**

- Continued weekly progress/design and interface meetings.
- Provide review comments on the baseline schedule.
- Continue Preliminary Engineering Design development.
- Continued to provide alternative design refinements to avoid existing building impacts in coordination with the AIS effort.
- AECOM is observing AIS trenching to record existing geotechnical information.
- Provided review comments on barrier alternatives study adjacent to the Federal Building.
- Continued to meet with various private and public stakeholders.
- Ground disturbing activities remain on hold but design continues with available subsurface information.

- Look Ahead**

- Continue Preliminary Engineering Design development.
- Establish coordination meetings with various utility and private property stakeholders.

3.5 Utility Agreements

- **Activities this month**

- WOFH section:
 - Draft Amendments for the Utility Construction Agreements (UCAs) executed with: Hawaiian Electric Company (HECO), Oceanic Time Warner Cable (OTWC) and Pacific LightNet, Inc. (PLNI) including Buy America requirements are under procurement review.
 - AT&T and The Gas Company (TGC) work is substantially (more than 50%) complete, as such will not require an amendment.
 - The Hawaiian Telcom (HT) UCA has not yet been executed. HT provided comments to the current agreement to HART. HART has addressed those comments and the agreement has been returned to HT for review and consideration.
 - HT executed Joint Use & Occupancy agreement (JUO) with HDOT for this section.
- KHG section:
 - All Engineering Service Agreements (ESAs) required for KHG have been executed, with: AT&T, Chevron, HT, OTWC, SIC, PLNI, Tesoro, TGC and tw telecom.
 - The draft UCA, incorporating Buy America requirements, was transmitted to Tesoro for review.
 - Draft UCAs for AT&T, OTWC, SIC, and PLNI are under procurement review.
 - HT executed JUO agreement with HDOT for this section.
- Airport and City Center sections:
 - All ESAs for the Airport and City Center sections have been transmitted to the utility owners for review and comment. The following utility owners have reached agreement with HART on Terms and Conditions (T&C) and have agreements are in the execution queue: Chevron, OTWC and tw telecom.
 - TW Telecom ESA for the Airport and City Center Section has been executed.
 - The Bridging Agreement for the Airport section has expired with HECO. A new Bridging Agreement is in negotiations with HECO and will be executed soon.
 - The Draft Bridging Agreement for the City Center section is under HECO review.

- **Look Ahead**



- Transmit the remaining draft UCAs to utility owners in the KHG section. HART is now ready to proceed after some initial delays in completing drafts due to the recent addition of Buy America requirements to construction agreements.

See Figure 28 on the next page for the latest Utility Agreements Status Matrix.

Figure 28. Utility Agreements Status Matrix (by section)

Utility Agreements Status Matrix									
Utility Owner	Status	WOFH		KHG		Airport		City Center	
		ESA	UCA	ESA	UCA	UCA	COMBINED ESA		UCA
AT&T	Executed	May 11, 2011	Dec 20, 2011	May 18, 2012	Completed draft under COR review		Final draft transmitted to utility		
	NTP	May 12, 2011	Dec 21, 2011						
Chevron	Executed	Dec 4, 2009		Nov 4, 2011	No Scope		Reached agreement on T&C; awaiting execution		
	NTP	Dec 22, 2009		Nov 15, 2011					
Hawaiian Telcom	Executed	May 20, 2010	Back to HT to self-performing scope; HT reviewing new draft	May 10, 2012	Preparing draft		Close to agreement on T&C; awaiting final comments from utility		
	NTP	June 14, 2010							
HECO	Executed	By Agreement with PB	Apr 20, 2012	July 12, 2012			Interim Bridging Agreement for Airport expired, new Bridging Agreement for Airport in negotiations; City Center draft under HECO review		
	NTP								
Oceanic Time Warner	Executed	Dec 8, 2009	Dec 21, 2011	Jan 9, 2012	Completed draft under COR review		Agreement signed by utility; awaiting execution		
	NTP	Dec 22, 2009							
Pacific Lightnet	Executed	Apr 28, 2010	Mar 12, 2012	Feb 15, 2012	Completed draft under COR review		Final draft transmitted to utility		
	NTP	Apr 29, 2010	Mar 13, 2012	Feb 16, 2012					
Sandwich Isle Communications	Executed	May 20, 2010	Not needed (no scope on WOFH section)	Apr 20, 2012	Completed draft under COR review		Final draft transmitted to utility		
	NTP	Jun 8, 2010							
The Gas Company	Executed	Dec 18, 2009	Jun 30, 2011	Jun 1, 2012	Completed draft under COR review		Final draft transmitted to utility		
	NTP	Dec 22, 2009	Jul 12, 2011						
tw Telecom	Executed	Dec 2, 2009		Feb 14, 2012	No Scope – Time Warner Cable (Oceanic) to relocate for tw Telecom for KHG		Executed 10/11/12		
	NTP	Dec 22, 2009		Feb 16, 2012					
Tesoro	Executed			Feb 15, 2012	Sent draft to utility for review		Final draft transmitted to utility		
	NTP			Feb 16, 2012					

Legend:

 = Action this month
 = Not applicable

COR = Corporation Counsel
 ESA = Engineering Services Agreement

UCA = Utility Construction Agreement
 UFRCA = Combined Engineering and Construction Utility Agreement

3.6 Permits

- **Activities this month**

- Clean Water Act (CWA) Section 404 Corps Permit application for work at Waiawa Stream and Tributary was received from GEC on December 20. Submission to the Corps of Engineers will be made once FTA coordinates Section 7 Endangered Species Act and Essential Fish Habitat requirements with the National Oceanic and Atmospheric Administration (NOAA).
- Application for the NPDES general permit for City Center pre-construction work, and the associated MS4 applications (HDOT, DPP, HCC and HCDA) are being prepared for submittal.
- Three MSF Industrial Wastewater Discharge Permits have been submitted to the Honolulu Department of Planning and Permitting.

- **Look Ahead**

- Upcoming significant permit activity:
 - Draft amendment request to the existing SCAP (Stream Channel Alternation Permit).
 - Finalize Corps NWP for In-Water Geotech, Airport Section
 - Draft 401 Water Quality Certification for In-Water Geotech, Airport Section
 - FTA will coordinate with National Marine Fisheries Service, so that HART can submit two US Army Corps permit applications (Waiawa Stream and Tributary-individual permit, and in-water geotech borings-nationwide permit).
 - Coastal Zone Management Consistency application for work at Waiawa Stream and Tributary will be drafted.

3.7 Hawaii Department of Transportation (HDOT) Agreements

- **Activities this month**

- Alignment-wide, the HDOT Traffic Management Consultant (contract MM-915) continues to review traffic signals, ITS and construction MOT for HDOT.
- The HDOT Design Coordination Consultant for WOFH (contract MM-920), AECOM Technical Services, Inc. (AECOM), continues to review design submittals for HDOT.
- SSFM, the HDOT Design Coordination Consultant for the Airport and City Center guideway (contract MM-922), is reviewing both guideway design submittals for HDOT.
- KHG section:
 - The KHG Master and JUO agreements await resolution of HDOT comments regarding assignment to HART. HART is scheduling a meeting with HDOT to have attorneys from both sides discuss assignment issue.
 - AECOM, the HDOT Design Consultant for KHG (contract MM-921), continues to review KHG design submittals for HDOT, with an amendment executed to reduce the total aggregate fee to be in alignment with current budget.

- **Look Ahead**

- Execute the KHG Master and JUO Agreements.

3.8 Other Design Activities

- **Activities this month**

- Continued supporting the WOFH, FHSG, KHG, MSF, Airport, City Center, WOSG, ASG, and KHSG contracts by reviewing submittals and providing responses to Requests for Information (RFIs), Requests for Interface Data (RFIDs), and Requests for Change (RFCs) and attending design meetings.
- Confirmation of station vertical clearances for Airport and City Center sections.
- Preparing architectural Standard and Directive Drawings.
- Provided scope of work input for the Dillingham-Kaka'ako Station Group consultant procurement.
- Submitted easement mapping for West Loch's mauka entrance.
- Submitted proposal for Flood Warning Alert System for Pearl Highlands station complex.
- Revising CDC, Division 1/Standard Special Provisions, and Standard Specifications.
- Prepared documents for Elevator/Escalator contract RFP Phase 2 release.
- Meetings with other agencies to discuss proposed Pearl Highlands scour protection, bank protection, and flood alert warning system to coordinate and prepare for start of design.

- **Look Ahead**

- Continued support of the WOFH, FHSG, KHG and MSF contracts on submittal reviews and RFI-RFC responses.
- Develop sketches to illustrate environmental impacts for stations on Beretania Street Tunnel alignment for federal court response.
- Deliver draft TCC routing white paper.
- D-KSG station load information for City Center guideway designer.
- Provide Waiawa Stream hydraulic information to KHSG designer.
- Prepare Waiawa Stream scour and bank protection reports.
- MSF shoreline re-certification.

3.2 Interface

- **Activities this month**

- Continued to request of interfacing contractors to provide need/delivery dates for Interface Control Documents (ICDs) elevated to HART for review and direction.
- Continued implementing risk assessment guidelines for ICDs and Requests for Interface Data (RFIDs) elevated to HART.
- Continued with assessment process and directions to "proceed" for Issues (ICDs and related RFIDs) elevated by WOFH, KHG and MSF.
- Started implementing CSC-MSF decision point sequencing tool to identify interfaces to be addressed prior to construction start.
- Participated in CSC-MSF "Interface Pre-Pre Summit Meeting."
- Participated in all contract "Interface Pre-Summit Meeting."
- Participated in all contract "Interface Summit Meeting."
- Continued to develop tracking tool for HART Interface Issues.
- Continued to support development of tracking tool for RFIDs, ICDs and construction hold points.
- Participated in Contract Interface Kick-off workshop for ASG contractor Participated in CSC-WOFH workshop on "RFID 365 – Friction Buffer End Post."
- Continued interfacing with adjoining Contractors as surrogate designer on KHSG, ASG, D-KSG and EE in their absence.
- A total of 605 RFIDs have been submitted (432 closed).
- A total of 35 Interface Issues have been elevated (11 new, 3 closed, 3 on hold and 18 OSR).

- Anticipated Review of 3 elevated issues:
 - Issue 13 – WOFH System Sites 8 & 9
 - Issue 26 – WOFH Retaining Walls
 - Issue 27 – WOFH Superstructure WA 1-4
- Facilitated 34 interface definition meetings with various contractors.
- **Look Ahead**
 - Continue to support development of tracking tool for elevated Issues, including RFIDs, ICDs, and construction hold points.
 - Continue monitoring contractor RFIDs and ICDs pertaining to the Final Design Baseline (Revision 0).
 - Assist PMs & CREs for CSC and MSF with implementation of CSC-MSF sequencing tool to enable early decisions prior to construction start.
 - Begin hand-off to CRE offices of implementation of decision point sequencing tool for all interface relationships to identify interfaces to be addressed prior to construction start.
 - Continue interfacing with adjoining contractors on KHSG, D-KSG, and EE.
 - Review contractor Interface Control Manuals for acceptance after they obtain NTP.
 - Continue to review elevated issues for path forward to construction.

4 GROUP REPORTS

4.1 Safety and Security

- **Activities this month**
 - The Project had no construction safety or security issues in January. See Figure 29 below for a summary of issues to date.
 - Safety and Security assisted in training and issued protective equipment for the Cultural Monitors.
 - HART received from Honolulu Police Department (HPD) the updated Threat and Vulnerability Assessment (TVA), construction security, respective areas of jurisdiction of the HPD, Sheriff and Transportation Security Administration (TSA) Airport and Surface divisions and drills.
 - HART conducted an internal GEC audit for compliance with Task 5.
 - HART Safety met with the Construction Safety Manager to review incidents, incident data and proactive plans and update all plans.
 - HART Safety continues to hold a weekly Core Systems Safety Meeting with Core Systems Contractor Ansaldo Honolulu Joint Venture (AHJV).
 - HART reviewed AHJV submittals for compliance and technical specifications.
 - Hart staff meets with HDOT bi-weekly to address FTA issues.
 - HART staff attended a “Connecting Communities” hosted by the City and County of Honolulu.
 - HART base-lined the Preliminary Hazardous Plan (PHA)
- **Look Ahead**
 - HART staff will attend a “Safety and Security” roundtable hosted by WMATA and TSA in February.
 - HART will baseline the Sensitive Security Information Plan (SSI) submittal.
 - Continue to hold safety meetings with contractors, particularly AHJV, committees and staff.
 - Finalize HART review of the updated TVA.
 - On-going discussion of security concerns with the TSA, HPD and Honolulu Fire Department (HFD) and of Emergency Plans with Emergency Responders and Emergency Management.

Figure 29. Construction Safety Monitoring - Safety and Security Issues

Period/Date	Contract	No. & Type of Event	Comments
2011	----	1 in 2011	
January		2 in January	
February		2 in February	
March	KHG	1 in March	
April	WOFH-KHG	5 in April	
May	WOFH-KHG	5 in May	
June	WOFH-KHG	1 in June	
July	WOFH	3 in July	
August	WOFH	3 in August	
September	----	0 in September	
October	----	0 in October	
November	----	0 in November	
December	----	0 in December	
2012	----	23 to date in 2012	

4.2 Quality Management

- **Activities this month**

- Conducted weekly meeting with HART-GEC Quality Assurance (QA) staff to discuss overall Project QA/Quality Control (QC) issues with consultants, sub-consultants, contractors, sub-contractors and internal staff.
- The Director of QA/QC has completed the HART Buy America Compliance Program Plan (BACPP) and was submitted to the FTA.
- Continued training and mentoring HART employees to ensure project participants are familiar with the latest approved plans and procedures, updating the Training Matrix accordingly.
- Updating and implementing the QA Audit Schedule for 2013. Conducted Combined QA and Safety Audit of GEC (PB) in Honolulu, HI on 12/17-12/19 and HDR (FHSG) in Honolulu on 1/22-1/23 and California on 1/16-1/17.
- Started updating Project Plans and Procedures for the FFGA due to re-organization, process improvement and lessons learned from the internal audits and PMOC suggestions.
- Conducted Bi-weekly QA Task Force meetings with contractors and consultants QA teams to discuss status of design activities, field work, NCRs and quality compliance and improvement.
- GEC II (Parsons Brinckerhoff, Inc. [PB]):
 - Participated (Auditee) in the HART Combined QA and Safety Audit.
 - Performed two QA training of PB staff.
 - Performed two internal QA Surveillance of Interface Management and Airport Guideway and Utilities/City Center Guideway and Utilities.
 - To date, 2 NCRs have been issued (1 open).
- West Oahu/Farrington Highway Guideway (WOFH) – Kiewit Infrastructure West Co. (KIWC):
 - Reviewing Preventative Actions for the 3 Observations found during the QA System Audit of KIWC. (Audited WOFH and KHG together).
 - Reviewing WOFH/KHG QAP (Revision 3) and Inspection and Test Plan.
 - To date, 59 NCRs have been issued: 51 by KIWC (6 open) and 8 by HART-GEC (all closed).
- Maintenance and Storage Facility (MSF) – Kiewit Kobayashi Joint Venture (KKJV):
 - Reviewing QAP (Revision 2) and Inspection and Test Plan submitted by KKJV.
 - Witnessed unloading, handling and preservation of 115# Rails at the Barbers Point Dock and Bonded Storage area.
 - To date, 1 NCR has been issued (closed).
- Kamehameha Highway Guideway (KHG) – KIWC:
 - QA/QC activities same as the WOFH contract.
 - To date, 6 NCRs have been issued: 5 by KIWC (all closed) and 1 by HART-GEC (closed).
- Core Systems Contract (CSC) – Ansaldo Honolulu Joint Venture (AHJV):
 - Attended and participated in the Definitive Design Reviews of Rolling Stock and Systems presented by AHJV and subs.
 - Completed review of 3 Quality Plans of AHJV-approved sub-contractors (Siemens, Alcatel Lucent and ASTS-USA). Following-up closure of comments issued.
- Farrington Highway Stations Group (FHSG) – HDR Engineering, Inc. (HDR):
 - Participated in the weekly design review meetings.
 - Performed QA System Audits of Honolulu and California Offices in January 2013.
 - To date, 4 NCRs have been issued (all closed).
- Airport Guideway and Utilities (Airport)– AECOM Technical Services, Inc. (AECOM):
 - Preparing one AECOM QAP for the AUG, CCUG and ASG.
- City Center Guideway and Utilities (City Center) – AECOM:
 - Preparing one AECOM QAP for the AUG, CCUG and ASG.
 - Participated in the Stakeholder Workshop on 11/28.

- West Oahu Stations Group (WOSG) – URS Corp. (URS):
 - Conducted Design Process QA Audit on 12/14 (No NCR).
- Airport Station Group - (AECOM):
 - Preparing one AECOM QAP for AUG, CCUG, and ASG.
- Kamehameha Highway Stations Group (KHSG) – (AVA):
 - Met with AVA QA management staff to discuss HART QMP and FTA QA/QC Guidelines and expectations on their QAP.
- **Look Ahead**
 - Continue mentoring and training personnel on revised approved Project Plans and procedures.
 - Continue QA/QC and Environmental Compliance Oversight of the WOFH, KHG, MSF, FHSG, AUG, CCUG, WOSG, ASG, KHSG and Core Systems contracts.
 - Complete/Close-out 2012 QA Audit Schedule. Update and implement the 2013 Combined Management Systems Audit Schedule.
 - Follow up on and close corrective and preventative actions on all NCRs and Observations issued, if any.
 - Review Contractor/Consultant QAP and implementing procedures (new and updates).
 - Training and start implementation of the Buy America Compliance Program Plan (BACPP).

4.3 Right-of-Way

- **Activities this month**
 - Acquisitions:
 - Offers made for TMK 1-1-016-006 and TMK 1-1-016-005, two full acquisitions required for the Airport Guideway.
 - Received approval from HART Board of Directors to seek condemnation on two properties:
 - TMK 1-9-6-004-006, a full take required for the Pearl Highlands Station and WOFH guideway;
 - TMK 1-9-7-023-008, a partial take to allow for roadway widening along Kamehameha Highway.
 - Budget:
 - \$36.4 million was spent to acquire 21 properties. The budgeted amount was \$36.8 million resulting in a budget underrun of \$0.4 million.
 - \$2.3 million has been expended for relocations.
- **Look Ahead**
 - WOFH Section
 - Re-appraise TMK 1-9-4-047-008, a partial take for the West Loch Station.
 - Relocation of TMK 1-9-4-019-050 will be completed no later than June 2013.
 - Kamehameha Section
 - Complete negotiations for partial takes associated with, TMK 9-7-022-008 and TMK 9-7-022-021 by April 2013.
 - Complete acquisition of TMK 1-9-8-009-017, a full take for Pearl Ridge Station.
 - Airport Section
 - Complete the appraisal process for TMK1-1-016-007, a partial take along Waiwai Loop.
 - Make offers for TMK 1-1-016-015; TMK 1-1-016-014, full take properties required for the Lagoon Drive Station.
 - Secure consents to do geotechnical testing and environmental assessments on properties along the proposed guideway and stations.
 - City Center Section
 - Acquisitions on hold until conditions of federal court order are met.
 - Secure consents to do geotechnical testing and environmental assessments on properties along the proposed guideway and stations.

Figure 30. Right-of-Way Status

Section	Original # Parcels in FEIS	Current # Parcels Needed	Agreements In Process	Appraisals in Process	Offers	Acceptance	Ready for Construction
FULL ACQUISITION							
Total	40	38	0	3	4	5	16
WOFH	14	14	0	0	1	1	12
KHG	5	3	0	0	0	1	2
Airport	5	5	0	2	2	0	0
City Center	16	16	0	1	1	3	2
PARTIAL ACQUISITION							
Total	163	133	8	2	4	2	7
WOFH	18	10	2	1	0	0	6
KHG	21	7	4	0	3	0	0
Airport	31	34	2	1	0	0	1
City Center	93	82	0	0	1	2	0
EASEMENTS							
Total	12	13	4	0	0	0	3
WOFH	6	6	3	0	0	0	3
KHG	0	1	1	0	0	0	0
Airport	1	1	0	0	0	0	0
City Center	5	5	0	0	0	0	0
GRAND TOTAL	215	184	12	5	8	7	26

FEIS = Final Environmental Impact Statement, June 2010

Figure 31. Relocation Status

	Total Relocations	Initiated	90-day Notice	30-day Notice	Relocations Complete
Residential	26			0	26
WOFH	25			0	25
City Center	1				1
Business	66	10	1	0	12
WOFH	5	1	1		3
KHG	4		0	0	4
Airport	7	6			
City Center	50	3	0		5
Not-For-Profit	1				1
WOFH	1				1
TOTAL	93	10	1	0	39

Figure 32. Third-Party Agreement Status

Agreement	Completion	Target	Section	Status
University of Hawaii (UH) Master Agreement	Pending	Feb 2013	WOFH, KHG, City Center	Tentative agreement is in place on path forward to secure access to the property
Leeward Community College (LCC) Sub-agreement	Pending	Mar 2013	WOFH	Property appraisal complete.
UH West Oahu (UHWO) Sub-agreement	Pending	Mar 2013	WOFH	Property appraisal complete.
Department of Land and Natural Resources (DLNR)	Pending	Feb 2013	WOFH	Discussions continuing.
Department of Education Master Agreement and Consent to Construct	Feb 8, 2011		WOFH	Executed
DR Horton Agreement	Mar 7, 2012		WOFH	Executed
DHHL Master Agreement	Mar 10, 2010		WOFH, MSF	Executed
DHHL Consent to Construct	Dec 1, 2011		WOFH, MSF	Consent to construct in place
DHHL License or Property Transfer	Pending	Feb 2013	WOFH, MSF	City and HART reviewing DHHL license agreement comments.
HDOT Master Agreement	Oct 31, 2011		WOFH	Executed
HDOT Joint Use & Occupancy (JU&O) Sub-agreement	Apr 5, 2012		WOFH	Executed
UH Urban Garden Sub-agreement	Pending	Mar 2013	KHG	Property appraisal complete.
HDOT Master Agreement	Pending	Feb 2013	KHG	HART has received comments and is resolving issues.
HDOT JU&O Sub-agreement	Pending	Feb 2013	KHG	Will complete after KHG Master Agreement is completed
Aloha Stadium / Department of Accounting & General Services (DAGS)	Pending	Mar 2013	KHG	Finalized agreement. Aloha Stadium Board review and approval is pending.
U.S. Navy / General Services Administration (GSA)	Pending	N/A	Airport	Submitted mapping documentation for 14 easements along Kamehameha Highway. These easements will be processed as one package.
U.S. Post Office Honolulu Processing Center	Pending	May 2013	Airport	Initiated request to secure an easement for Post Office Property. Awaiting design.
Federal Aviation Administration (FAA) Master Agreement	Pending	Jul 2013	Airport	As design progress a determination will be made if an agreement is required.
HDOT Master Agreement	Pending	June 2013	Airport	Pending.
HDOT JU&O Sub-agreement	Pending	Aug 2013	Airport	Will complete after Airport Master Agreement is completed
HDOT Master Agreement	Pending	Jul 2013	City Center	Pending awaiting completion of the KHG master agreement
HDOT JU&O Sub-agreement	Pending	Jul 2014	City Center	Will complete after City Center Master Agreement is completed.
Honolulu Community College (HCC) Sub-agreement	Pending	May 2014	City Center	Property appraisal completed.
Federal Court House/GSA	Pending	Oct 2014	City Center	HART is reviewing the GSA draft agreement. Conducting monthly meetings with parties.
HI Community Development Agreement (HCDA)	Pending	Oct 2014	City Center	Awaiting final design requirements for the guideway
DAGS	Pending	Oct 2014	City Center	Awaiting final design requirements for the guideway

4.4 Planning and Environment

- **Activities this month**

- Programmatic Agreement (PA) [by PA Stipulation number]
 - II. Traditional Cultural Properties (TCPs) – no change in status.
 - City Center TCP studies are underway and completion is expected in 2013.
 - III. Identification and Protection of Archaeological Sites and Burials-Archaeological Inventory Surveys (AIS) estimated status through January 23:
 - Phase 3 (Airport) AIS: Fieldwork has been completed and the AIS Report is in progress.
 - Phase 4 (City Center) AIS: A total of 260 trenches will have been completed as of January 28, including original trenches and those added to support the AIS Report. This includes the four additional trenches to be excavated at the end of January, also to support the AIS Report.
 - On January 13, 2013, an intact human burial was found in Trench 227A on Punchbowl Street.
 - Additional outreach to lineal and cultural descendants will be scheduled early in 2013.
 - V. Recordation and Documentation: Historic American Buildings Survey/ Historic American Engineering Record/ Historic American Landscape Survey (HABS/HAER/HALS) [including required photo recordation of adversely affected historic properties activities and submission to the National Park Service (NPS)]:
 - Final HABS Documentation for the following historic bridges was submitted to the National Park Service on January 18: Waiawa, Waimalu, Kalauao and Kalauao Springs.
 - Photo documentation for additional historic properties is in progress, with most to be completed in November.
 - VI. National Register of Historic Places/Historic Landmark Nominations:
 - Preparation of National Register nomination forms for adversely affected historic properties is in progress.
 - VII. Educational and Interpretive Programs, Materials, and Signage
 - A free public educational workshop for landowners of historically significant properties will be held on Tuesday, February 12, at Hawaii Community Development Authority, 461 Cooke Street, Honolulu, Hawaii from 4 p.m. to 7 p.m. The workshop will provide more information about the Historic Preservation Fund Program (see Stipulation IX below) as well as other tax breaks, grants, and other incentives to preserve historic buildings.
 - IX. B. Historic Preservation Program:
 - No Historic Preservation Committee meetings were held in January, however, materials for the February 12, public educational workshop noted under Stipulation VII above also included invitations to owners of individual properties or contributing properties to a historic district located within the area of potential effect for the Honolulu Rail Transit Project and listed in or eligible for listing in the National Register of Historic Places (NRHP).
 - XIV. Administrative:
 - An educational project-wide station design workshop was held with Consulting Parties on January 10.
 - The Consulting Party Annual Meeting on the Programmatic Agreement is scheduled for January 25.

The HART Cultural Monitoring Program (not required by federal or state law or the PA) was initiated for the City Center AIS work as of the week of October 14. Cultural monitors have been actively working throughout December and January.

- Mitigation Monitoring Program (MMP)
 - Reporting:
 - Monthly and quarterly reporting on MMP Mitigation Measure IDs (MMIDs) continues. Internal December monthly reports were completed this month.
 - The next quarterly report to FTA will be submitted at the end of January 2013 for the 4th quarter of 2012.
 - Outdoor Circle: HART and The Outdoor Circle (TOC) are meeting on January 24.
 - The Koʻoluaʻula (Abutilon menziesii) Memorandum of Agreement (MOA) between HART, HDOT and DLNR remains under review at DLNR for signature.
- Planning Activities
 - HART and DPP continue to conduct monthly meetings to discuss Transit-Oriented Development (TOD) around the future transit stations, with a meeting held on January 18.
 - The Ala Moana Neighborhood TOD Plan Community Workshop 2 is scheduled for February 19.
 - Monthly HART Sustainability Committee Meetings continue as the team works to identify ways to improve the support of green features project-wide. A meeting was held on January 11.
- Look Ahead for February
 - February 12 - Public educational workshop for landowners of historically significant properties (HART)
 - February 19 – Ala Moana Neighborhood TOD Plan meeting (Department of Planning and Permitting)

4.5 Risk Management

- **Activities this month**
 - The risk matrix in Figure 33 on the next page is used to score and rank identified risks. Risks have been assessed on probability of occurrence and most likely cost and schedule impact, if occur. The rating is the average cost and schedule impact score multiplied by the likelihood score.
 - The top 10 risks in December are set out in Figure 34 on page 54. The December Top 10 Risks remained the same as those identified in November.
 - One risk was added to the Risk Register, as shown in Figure 35 on page 54.
 - Risk #168 - HDOT approvals on drawings are valid for 1 year. BWS is valid for 2 years. For KHG, the WET12 package is the only one issued for construction that has been signed (Navy Waterline in HDOT ROW).
 - In December, 2 risks were deleted from the Risk Register, as shown in Figure 36 on page 55.
 - Overall, in December, the total number of risks decreased by 1, from 342 to 341 risks, as 2 risks were deleted and 1 risk was added. See Figure 37 on page 55.
 - HART continues to work with the Owner-Controlled Insurance Program (OCIP) Consultant, Marsh USA, Inc., to identify and evaluate the insurable risks for the project and the agency.

- **Look Ahead**
 - Monthly contract/discipline specific risk workshops.
 - Update Risk Mitigation Plans for top risks.
 - Monthly Risk Assessment Committee Meeting

Figure 33. Risk Matrix

Legend	Low (1)	Med (2)	High (3)	Very High (4)	Significant (5)
Probability	< 10%	10%<50%	> 50%	75%	>90%
Cost	< \$250K	\$250K<\$1M	\$1M<\$3M	\$3M<\$10M	>\$10M
Schedule	< 1 Mths	1 >< 3 Mths	3 >< 6 Mths	6 >< 12 Mths	> 12 Mths
Rating	<=3	3.1-9.49			>=9.5

Figure 34. Top 10 Project Risks in December

Risk ID	SCC Code	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	Dec. Risk Rating	Nov. Risk Rating
165	10.04	Project Wide	Earth disturbing activities suspended pending approval of Project wide AIS delays design completion and results in additional costs.	90%	5	5	3	20	20
60e	10.04	City Center Guideway	Given limited geotechnical information available at this time, additional costs may be incurred associated with final design through construction.	90%	5	5	3	20	20
33	40.07	Project Wide	HDOT may require replacement of all existing traffic signal equipment with new.	90%	5	5	2	17.5	17.5
58	90.00	Project Wide	HART may require changes to baseline documents resulting in formal change orders.	90%	5	5	1	15	15
11b	40.02	KHG	There may be insufficient Utility company resources available to meet the design, approvals and/or construction schedule. (Public Utilities - water, sewer, storm drain)	90%	5	4	3	17.5	17.5
28	40.04	Project Wide	Permits and approvals by other agencies may not be provided in a timely manner and delay the project - FAA, FHWA, Navy, DLNR, USACE, City and State.	75%	4	4	3	14	14
39	90.00	Project Wide	Contractors may not achieve contract required delivery dates of design information and construction interfaces to others.	75%	4	5	2	14	14
163	40.02	Project Wide	FTA requirement that all utility companies conform to Buy America requirements may cause delays and additional costs.	75%	4	5	2	14	14
56	40.02	Project Wide	BWS and/or HDOT may not grant waiver to leave in place existing utilities to be abandoned that are not impacted by new structures requiring partial or total removal.	75%	4	5	1	12	12
147	60.01	ROW	Late turnover of ROW to contractor may result in claims.	75%	4	4	2	12	12

Figure 35. Risks Added in December

Risk ID	SCC Code	Contract Package	Risk Description	Cal Prob	Prob Rating	Cost Impact	Time Impact	Risk Rating
168	90.00	Project Wide	3rd party signatures of IFC (Issued for Construction) drawings may expire, requiring reapproval.	50%	3	3	2	7.5

Figure 36. Risks Deleted in December

Current Risk ID	SCC Code	Contract Package	Risk Description	December 2012 Comments	Risk Rating	
					December	November
139	40.04	Project Wide	AIS may delay Airport/ City Center Guideway and ultimately project completion.	Risk has been deleted since risk #167 covers any additional delay due to the AIS.		3.5
162	40.04	Project Wide	Photo documentation of historic properties may delay construction.	Risk has been deleted since all photo documentation has been completed and are to be submitted to NPS.		1

Figure 37. Risks by Contract Package

Contract Packages	November 2012 # of Risks		December 2012 Update				
			Total # of Risks		Newly Sub-Divided Risks	New Risks	Deleted Risks
Project Wide	72	18	71	18*	0	1	2
WOFH	52		52		0	0	0
MSF	21		21		0	0	0
KHG	41		41		0	0	0
Core Systems Contract	20		20		0	0	0
Right of Way	9		9		0	0	0
Airport Guideway	53		53		0	0	0
City Center Guideway	58		58		0	0	0
Project Wide Stations	3		3		0	0	0
Farrington Highway Stations	2		2		0	0	0
West Oahu Stations	4		4		0	0	0
Kamehameha Highway Stations	3		3		0	0	0
Airport Section Stations	1		1		0	0	0
City Center Section Stations	3		3		0	0	0
Total	342	288	341	288*	0	1	2

*53 Project Wide risks were determined to be applicable to various contracts and have been sub-divided into those contracts and evaluated at the contract level. Total number of risks contained in the risk register is 341. There are a total of 288 risks when excluding the duplicated Project Wide risks.

4.6 Community Outreach

- **Activities this month**

- HART's public outreach included meetings and presentations to business, community groups and students ranging from middle school to college. Reaching out to portions of the island not directly served by the rail route is part of this month's outreach focus as HART works with the new City administration under Mayor Kirk Caldwell on listening to community input and making improvements to the project to deliver the best possible system for Oahu. Presentations included groups on the Windward side of the island as well the Wahiawa-Waialua area.

Figure 38. HART Executive Director and CEO Dan Grabauskas provides a project update to the Kailua Chamber of Commerce on the island's Windward side.



- HART continues to assist the planning team by working to keep businesses and the community informed about the impact of the archaeological survey work. To date, HART's outreach team has canvassed the survey area connecting with nearly 300 businesses and residents in urban Honolulu to provide important information on the survey work, including updates on road closures or detours. This effort has helped the process go smoothly, with very few complaints about the construction impact.
- **Community Input**
 - HART's communications team responded to 33 public inquiries this month that came in via the agency's website, email and 24-hour hotline. Questions about procurement, the Art in Transit program and employment were among the most frequent.
 - To date, HART's outreach team has participated in:
 - 1,376 presentations and events
 - 721 Neighborhood Board meetings
- **Looking Ahead**

Coming in February:

 - Business and community meetings in target areas to provide the public with up-to-date project information
 - Education outreach at local schools and community colleges focusing on science, engineering, technology and math (STEM) events

5 STAFFING

HART staffing activities in January are summarized in Figure below. HART staffing projections are shown in Figure 40 below and Figure 41 on the next page. For organizational structure detail, see the latest HART Project Organization Chart in Appendix A on page 59.

Figure 39. Staffing Activities

Title	Group	New/Existing HART position (City or PMSC)	Position Status	Start Month
Executive Management				
Deputy Executive Director	Executive Management	New (City)	Hired	Feb
Engineering and Construction				
Secretary III	Engineering	Existing (City)	Selected	Feb
Engineer VI	City Center	New (City)	Recruiting	
Traffic Engineer I/II*	Facilities	Existing (PMSC)	PMSC (temp)	
Budget and Finance				
Budget Analyst	Budget and Finance	New (City)	Selected	Feb
Risk Manager	Budget and Finance	Existing (PMSC)	Hired	Jan
Lead Scheduler	Project Controls	Existing (City)	Hired	Feb
Scheduler	Project Controls	Existing (City)	Recruiting Interviewing	
Procurement and Specifications Specialist I/II*	Procurement and Contracts	Existing (City)	Recruiting	
Management Analyst V	Project Controls	Existing (City)	Recruiting	
Accountant II	Accounting	New (City)	Hired	Feb
Accountant III	Internal Controls	New (City)	Recruiting	
Accountant IV	Accounting	New (City)	Recruiting Interviewing	
Planning, Utilities, Permits & Right of Way				
Architectural Historian	Planning	New (City)	Interviewing	
Planner V/VI* (Permits/Hazmat)	Utilities, Permits	New (City)	Recruiting	
System Safety & Security				
Safety Certification Manager	System Safety and Security	New (PMSC)	Selected, Negotiating	
Safety Specialist	System Safety and Security	New (City)	Potential Selection	
Civil Rights				
Deputy Civil Rights Officer (DBE, EEO, Certified Payroll)	Civil Rights	New (City)	Recruiting	
Administrative Services				
Information Technology Support Technician	Administrative Services	Existing (City)	Selected	Apr

*Per qualifications.

Figure 40. HART Staffing Projection in the Current Staffing Plan

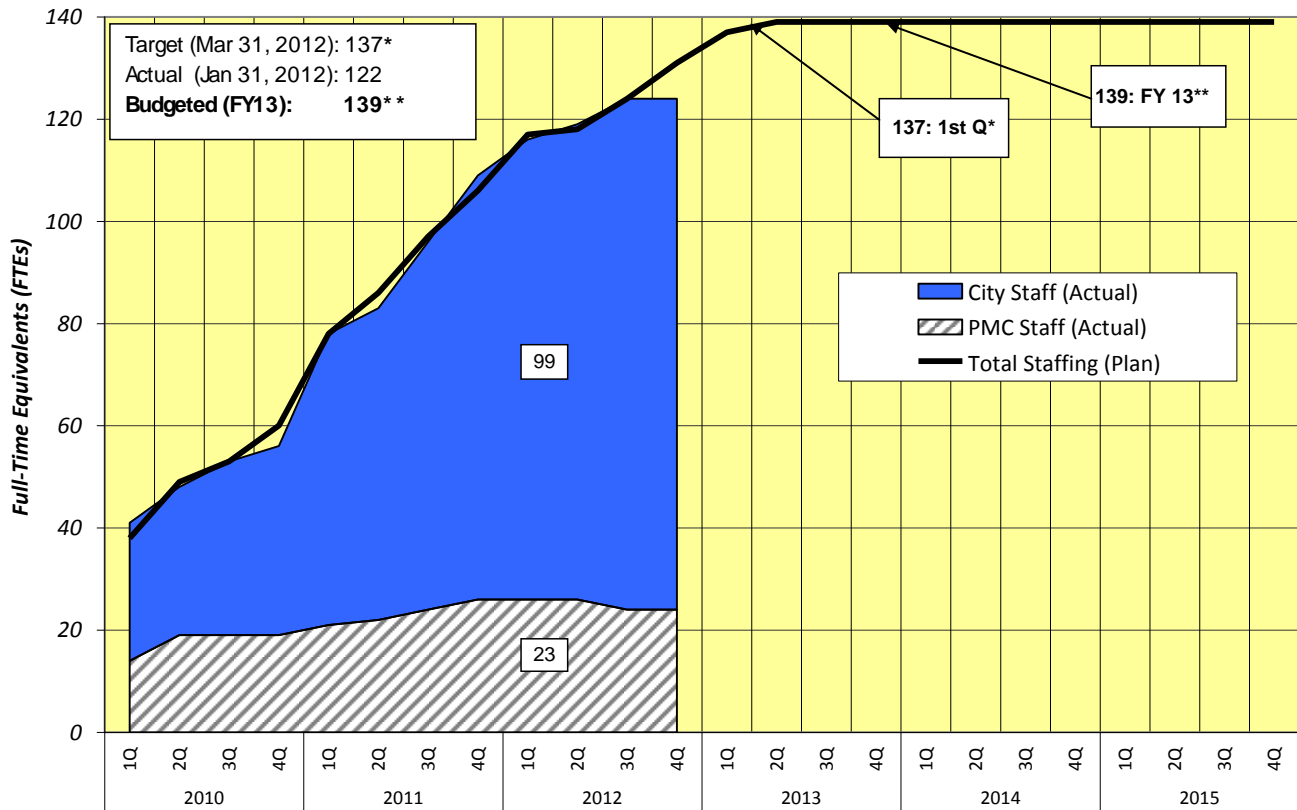
<i>[Also see the Staffing Chart in Figure 41 on the next page]</i>	as of:	# Employees
Target*	Mar 31	137
Actual*	Jan 31	122
Full-Time Employees budgeted for FY13**	Jul 1	139

*Including PMSC staff **Excluding PMSC staff.

HART currently receives direct project support in centralized functions from the following City departments Honolulu Police Department (HPD), Department of Information Technology (DIT),

Department of Budget and Fiscal Services (BFS), Department of Design and Construction (DDC), Corporation Counsel (COR) and Department of Human Resources (DHR); and from the State of Hawaii Department of Transportation (HDOT) on Consultant Services Contracts.

Figure 41. Project Staffing (Actual vs. Planned)

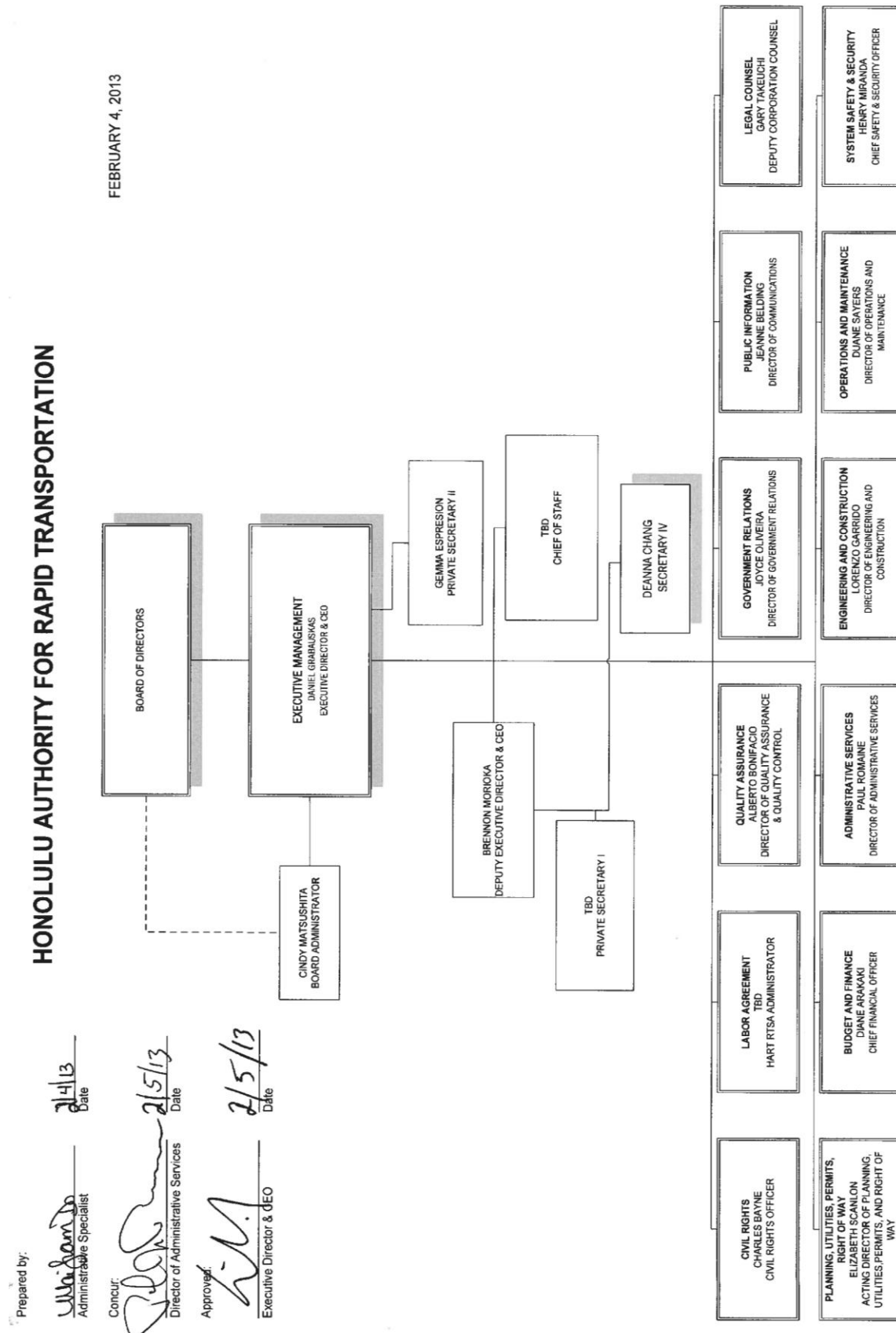


* In accordance with latest Staffing and Succession Plan (Rev 5, 5-25-12)

** 139 positions authorized in FY 2013 HART Operating Budget

6 APPENDICES

Appendix A. Project Organization Chart



Appendix B. Project Alignment

